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PROJECTIONS AND PLANNING INFORMATION



Orange

Metropolitan Statistical Area
(Orange County)

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PROJECTIONS AND PLANNING INFORMATION


ORANGE COUNTY

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Projections & Planning Information

Module A:

Introduction

Projections and Planning Information

Module A: INTRODUCTION

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ORANGE COUNTY

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**EMPLOYMENT DEVELOPMENT DEPARTMENT
LABOR MARKET INFORMATION DIVISION**

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Note to Readers

The Employment Development Department's Labor Market Information Division (LMID) regularly collects, analyzes, and publishes information about California's labor market, which consists of approximately 15 million workers and 1 million employers. In addition to employment and unemployment data, LMID provides economic planning information, industry and occupational information, social and demographic information, and a variety of other statistics.

LMID produces the Projection and Planning Information publication (PPI) for 57 counties and the State. Each module within the PPI is designed to present data in a clear and usable form. The variety and number of reports within each module are intended to answer the most frequently asked questions. These modules are updated as new information becomes available and are delivered to customers for inclusion in a three-ring binder.

Customers may choose some or all of the following modules:

Module A: Introduction *Information about the featured county and population tables providing data for the past and present. Additional resources for exploring various occupations.*

- Area Profile
- Area Map
- County/City Population
- Population Estimates for California and Counties
- O*NET The Occupational Network
- Standard Occupational Classification (SOC)
- EDD and Related Websites

Module B: Labor Force *Current and historical labor force, employment, unemployment and unemployment rates.*

- State Map of Current Annual Average Rates by County
- Annual Average Unemployment Rates
- Monthly and Annual Average Data

Module C: Wage and Salary Employment *Current and historical wage and salary employment data.*

- Annual Average Data
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Module D: Projections *Information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends.*

- Description of Industry and Occupational Tables
- Training Level Definitions
- Industry Trends and Outlook
- Employment by Major Industry
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- Occupations with the Greatest Absolute Job Growth (Growth plus Separations)
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- Occupational Employment Projections
- Occupations with Most Openings
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- Alphabetical Index of Occupations
- Description of Standard Industrial Classification (SIC) and North American Industry Classification (NAICS)
- Methods and Economic Assumptions

Module E: Occupational Wages *Occupational Employment Statistics (OES) Wage Survey results and explanation of methodology.*

- Occupational Wages for Selected Counties

Module F: Social and Economic Data *Tables from the U.S. Department of Commerce, the Census Bureau, and various State agencies.*

- Public Assistance Recipients by Program
- Public Assistance Recipients by Program (CalWORKs), Characteristics of Recipients
- Occupations with the Greatest Absolute Job Growth
- Lower Living Standard Income Levels and Poverty Guidelines
- Planning Information for Local Workforce Investment Areas
- Profile of General Demographic Characteristics
- Explanation of Terms and Concepts
- Nondiscrimination Information

Orange County

Orange County is situated along 42 miles of southern California coast. Surrounding counties include Los Angeles to the north, San Diego to the south, and Riverside and San Bernardino to the east. The county covers 948 total square miles and is second only to Los Angeles County in population for the state.

The county's eastern mountain region, which includes the Cleveland National Forest, is largely uninhabited; population is mostly contained within the 38 square miles of incorporated cities located in the northwest corner and stretching south along the coast.

Orange County's extensive transportation facilities include airports, railroads, and freeways. The freeway system connects labor force to employment centers in Los Angeles

County as well as providing extensive access within county borders. Interstate 5, one of the county's main freeways, traverses the county in a north-south direction.

The county's largest cities are Santa Ana and Anaheim; both located along Interstate 5. Santa Ana, the county seat of government, is the commercial, financial and governmental hub of the county. Anaheim, the county's oldest city, is a growing convention, tourism, and industrial city. According to 2000 Census data, the cities of Laguna Nigel, Tustin, Irvine, and San Juan Capistrano all increased in population by over 29 percent, with Laguna Nigel posting the highest growth, 39 percent.

Orange County

Population of the County and Selected Cities 1980, 1990, 2000, and 2001

Political Subdivisions	1980 (a)	1990 (b)	2000 (c)	2001 (d)	Percent Change	
					1990 to 2000	2000 to 2001
Total	1,932,921	2,410,556	2,846,289	2,925,700	18.1%	2.8%
Anaheim	219,494	266,406	328,014	336,300	23.1%	2.5%
Brea	27,913	32,873	35,410	36,100	7.7%	1.9%
Buena Park	64,165	68,784	78,282	80,100	13.8%	2.3%
Costa Mesa	82,562	96,357	108,724	110,900	12.8%	2.0%
Cypress	40,738	42,655	46,229	47,150	8.4%	2.0%
Dana Point (d)	21,271	31,896	35,110	35,800	10.1%	2.0%
Fountain Valley	55,080	53,691	54,978	55,900	2.4%	1.7%
Fullerton	102,246	114,144	126,003	129,200	10.4%	2.5%
Garden Grove	123,307	143,050	165,196	169,200	15.5%	2.4%
Huntington Beach	170,505	181,519	189,594	193,700	4.4%	2.2%
Irvine	62,134	110,330	143,072	150,100	29.7%	4.9%
Laguna Beach	17,858	23,170	23,727	24,150	2.4%	1.8%
Laguna Hills (f)	NA	NA	31,178	33,900	NA	8.7%
Laguna Niguel (e)	12,237	44,400	61,891	63,200	39.4%	2.1%
Laguna Woods (f)	NA	NA	16,507	16,750	NA	1.5%
La Habra	45,232	51,266	58,974	60,800	15.0%	3.1%
Lake Forest (f)	NA	NA	58,707	76,700	NA	30.6%
La Palma	15,399	15,392	15,408	15,700	0.1%	1.9%
Los Alamitos	11,529	11,676	11,536	11,750	-1.2%	1.9%
Mission Viejo (e)	48,503	72,820	93,102	96,600	27.9%	3.8%
Newport Beach	62,556	66,643	70,032	72,000	5.1%	2.8%
Orange	91,450	110,658	128,821	132,800	16.4%	3.1%
Placentia	35,041	41,259	46,488	47,600	12.7%	2.4%
Rancho Santa Margarita (f)	NA	NA	47,214	48,350	NA	2.4%
San Clemente	27,325	41,100	49,936	52,500	21.5%	5.1%
San Juan Capistrano	18,959	26,183	33,826	34,600	29.2%	2.3%
Santa Ana	204,023	293,742	337,977	348,100	15.1%	3.0%
Seal Beach	25,975	25,098	24,157	24,500	-3.7%	1.4%

Orange County

Population of the County and Selected Cities (Continued) 1980, 1990, 2000, and 2001

Political Subdivisions	1980 (a)	1990 (b)	2000 (c)	2001 (d)	Percent Change	
					1990 to 2000	2000 to 2001
Stanton	23,723	30,491	37,403	38,300	22.7%	2.4%
Tustin	32,256	50,689	67,504	69,200	33.2%	2.5%
Villa Park	7,137	6,299	5,999	6,125	-4.8%	2.1%
Westminster	71,133	78,118	88,207	89,900	12.9%	1.9%
Yorba Linda	28,254	52,422	58,918	60,000	12.4%	1.8%
Balance of County	184,916	227,425	168,165	157,800	-26.1%	-6.2%

(a) Census of Population, April 1, 1980.

(b) Census of Population, April 1, 1990.

(c) Census of Population, April 1, 2000.

(d) California Department of Finance revised estimates for January 1, 2001.

Parts may not add to total due to independent rounding.

(e) Incorporated after the 1980 Census.

(f) Incorporated after the 1990 Census.

NA- Not applicable

Population Estimates for California and Counties

	January		Percent Change		January		Percent Change
	2000	2001			2000	2001	
California	34,207,000	34,818,000	1.8%	Orange	2,867,700	2,925,700	2.0%
Alameda	1,455,300	1,479,100	1.6%	Placer	248,700	257,500	3.5%
Alpine	1,200	1,220	1.7%	Plumas	21,000	21,100	0.5%
Amador	35,250	35,400	0.4%	Riverside	1,557,800	1,609,400	3.3%
Butte	204,600	205,800	0.6%	Sacramento	1,230,700	1,258,600	2.3%
Calaveras	40,950	41,100	0.4%	San Benito	53,800	55,200	2.6%
Colusa	19,050	19,200	0.8%	San Bernardino	1,726,800	1,764,300	2.2%
Contra Costa	955,900	972,100	1.7%	San Diego	2,835,400	2,883,600	1.7%
Del Norte	28,050	28,100	0.2%	San Francisco	781,900	793,700	1.5%
El Dorado	157,200	159,700	1.6%	San Joaquin	568,300	583,700	2.7%
Fresno	810,300	823,900	1.7%	San Luis Obispo	248,200	252,100	1.6%
Glenn	26,800	26,800	0.0%	San Mateo	713,900	720,100	0.9%
Humboldt	127,400	127,800	0.3%	Santa Barbara	403,500	408,900	1.3%
Imperial	146,600	150,900	2.9%	Santa Clara	1,698,800	1,723,700	1.5%
Inyo	18,250	18,150	-0.5%	Santa Cruz	258,000	259,800	0.7%
Kern	671,300	685,800	2.2%	Shasta	164,300	165,700	0.9%
Kings	132,100	136,100	3.0%	Sierra	3,580	3,560	-0.6%
Lake	58,700	59,300	1.0%	Siskiyou	44,750	44,300	-1.0%
Lassen	34,850	35,900	3.0%	Solano	396,900	403,400	1.6%
Los Angeles	9,643,100	9,802,800	1.7%	Sonoma	461,700	468,800	1.5%
Madera	125,800	129,400	2.9%	Stanislaus	451,000	459,900	2.0%
Marin	248,700	250,400	0.7%	Sutter	79,700	80,900	1.5%
Mariposa	17,200	17,200	0.0%	Tehama	56,400	56,800	0.7%
Mendocino	87,100	87,300	0.2%	Trinity	13,150	13,050	-0.8%
Merced	212,800	216,700	1.8%	Tulare	373,100	377,500	1.2%
Modoc	9,550	9,600	0.5%	Tuolumne	54,800	55,200	0.7%
Mono	12,950	13,350	3.1%	Ventura	759,400	773,500	1.9%
Monterey	405,200	410,800	1.4%	Yolo	169,300	173,500	2.5%
Napa	125,100	126,200	0.9%	Yuba	60,900	60,800	-0.2%
Nevada	92,300	94,000	1.8%				

SOURCE: State of California, Department of Finance, Population Estimates for California Cities and Counties.
Report E-1. Sacramento, California, May 2001.

Orange County



O*NET

The Occupational Information Network

The *Occupational Information Network* (O*NET) is the U.S. Department of Labor's recent replacement to the long-standing Dictionary of Occupational Titles (DOT). First released in 1998 and made available as an Internet application in 2001, O*NET was created for the general public to provide broad access to occupational information.

The O*NET system includes information on skills, abilities, knowledge, work activities, and interests associated with occupations. This information can be used to facilitate career exploration, vocational counseling, and a variety of human resources functions, such as developing job orders and position descriptions and aligning training with current workplace needs.

The gathering and classification of information was done with many different users in mind, including human resource personnel, industry analysts, students, rehabilitation counselors, workforce researchers, managers, displaced workers and more. Information in O*NET is available for over 950 occupations. Each occupational title and code is based on the most current version of the Standard Occupational Classification system.

O*NET OnLine offers users the chance to:

- Find occupations to explore, either by skill requirements or using key words
- Search for occupations that use their skills
- Look at related occupations with similar skills requirements
- View and print snapshot reports listing top tasks and skills requirements for an occupation
- View occupation details

- Use crosswalks to find occupations using titles from other classification systems
- Connect to other on-line career information resources to see current wage and outlook information
- Access comprehensive information on-line

The information currently available through O*NET was developed by job analysts; however, workers and employers themselves, describing what they do and the necessary skills, will contribute to data and ratings beginning in the year 2003.

The U.S. Department of Labor's Employment and Training Administration looked to both public and private entities in the development of O*NET. State-based Occupational Analysis Field Centers and Assessment Research and Development Program Centers provided regional support. Private sector firms are also assisting with the implementation of the project.

If it is to be current, comprehensive and inclusive, the O*NET System will require a continuous process of database building. DOL welcomes the participation of employers or representatives of organizations that can contribute occupational information. The massive and growing O*NET data collection and database will be maintained by the newly established National O*NET Consortium.

For further information contact O*NET:

O*NET Project
DOL Office of Policy and Research
200 Constitution Ave., NW, MS N5637
Washington, DC 20210
(202) 693-3660

<http://www.doleta.gov/programs/onet/>

Standard Occupational Classification (SOC)

The Standard Occupational Classification (SOC) 1998 System was developed in response to a growing need for a universal occupational classification system—a system which would allow government agencies and private industry to produce comparable data. The SOC system was designed to cover all occupations in which work is performed for pay or profit and will be used by all federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data.

General Characteristics of the Revised SOC

This system classifies workers at four levels of aggregation:

- major group
- minor group
- broad occupation
- detailed occupation

All workers are classified into one of over 820 occupations, according to their occupational definition. To facilitate classification, all occupations are clustered into one of 23 major groups. Within these major groups, there are 96 minor groups, and 449 broad occupations. Each broad occupation includes detailed occupation(s) requiring similar job duties, skills, education, or experience.

The following example shows the hierarchical structure of the 1998 SOC:

19-0000 Life, physical, and social science occupations (*major group*)

19-000 Life scientists (*minor group*)

19-1020 Biological scientists (*broad occupation*)

19-1021 Biochemists and biophysicists (*detailed occupation*)

19-1022 Microbiologists (*detailed occupation*)

19-1023 Zoologists and wildlife biologists (*detailed occupation*)

19-1029 Biological scientists, all other (*detailed occupation*)

Data collected by the 2000 Census of Population will be coded to the 1998 SOC; the Department of Labor's Occupational Information Network (O*NET), adheres to the 1998 SOC. In fact, all federal government agencies that collect occupational data are expected to adopt the 1998 SOC over the next few years.

Additional information, updated revision plans, and information on the implementation of the 1998 SOC are available at the Bureau of Labor Statistics (BLS) Internet site:

<http://stats.bls.gov/soc>

Job Services for Employers and Job Seekers

The Employment Development Department (EDD) is the largest source of personnel recruitment in California. There is no fee to employers or job seekers. Employers may wish to place a job order with EDD or ask about other available services. Job seekers may wish to complete an application to be matched against employer job orders or to request other assistance in finding a job or training.

The **EDD Job Service** is the public employment service for the State of California. From locations in over 200 communities, the EDD Job Service program serves the State's 900,000 employers and the one million or more job seekers who use the services each year.

The EDD Job Service is authorized by the federal Wagner-Peyser Act, as amended by the Workforce Investment Act of 1998. The EDD plans and delivers the services in California in partnership with other employment and training organizations in the One-Stop Career Centers created by the Workforce Investment Act of 1998. The EDD's Job Service offers a variety of services that bring employers with job openings and qualified job seekers together.

CalJOBS – California's Internet system for linking employer job listings and job seeker resumes. CalJOBS is available at EDD Job Service locations, One-Stop Career Centers, and anywhere there is Internet access.

Special features of CalJOBS include:

- No fees
- Wide variety of job listings and job seekers
- Easy access:

<http://www.caljobs.ca.gov>

Employer Advisory Councils work closely with Job Service to sponsor employer seminars, job fairs and other events which provide information and guidance for job seekers and local business.

Additional Services to Job Seekers

- Job search workshops
- Referral to partner agencies that provide other employment related services, including training.

Additional Services to Employers

- Reemployment services for dislocated workers.
- Current labor market information.
- Focused recruitment campaigns.
- Locally coordinated workforce preparation services.

If you are interested in any of the above services, or would like information about the location of the Job Service office nearest you, contact the call center listed below.

Bay Area	415-749-7503
Los Angeles	213-833-7900
Orange	714-518-2315
Riverside	909-955-2200
Sacramento	916-227-0301
San Diego	619-266-4200

California's Labor Market and Occupational Information is only a click away ...

Use your computer to view and/or download important economic data directly from us —
24 hours a day, seven days a week!

<http://www.calmis.ca.gov>

Data available on-line:

Agriculture Statewide and county employment and earnings data for selected crops and industries.

Demographics Statewide and county census data, population tables, income statistics, and data for nondiscrimination programs.

Industry Current and historical employment data, projections of employment, hours and earnings, and size of firm data.

Labor Force Monthly, historical, and annual average labor force data by county, MSA, and statewide; labor market conditions in California, and employment characteristics.

Resources Contact lists for area consultants, local partners for the California Cooperative Occupational Information System (CCOIS), publications available, and resources for additional data.

Occupations Projections of employment by occupation, the California License Handbook, the California Occupational Guides, the Occupational Guide Wage Supplement and the Occupational Outlook Reports.

Visit our interactive on-line sites:

Labor Market Information for Economic Development (LMI4ED) Provides industry trends and occupational information in an interactive application. Users can search for data by county and industry or occupation, select individual items for display, and produce customized tables. LMI4ED is available at:

<http://www.lmi4ed.ca.gov>

California Career & Training Information System (CaCTIS) Provides job seekers and career development professionals easy access to occupational wages and outlook, training information and job openings. CaCTIS is available at:

<http://www.cactis.ca.gov>

Publications and Information: Publications Desk (916) 262-2162

Internet Assistance: (916) 262-2213 or (916) 262-2340

Related Websites

Local Government

CA local government agencies

http://www.ceres.ca.gov/geo_area/counties

Sacramento Area Commerce and Trade Organization

<http://www.sactoedc.org>

State Government

California's Home Page — Links to all state government agencies

<http://www.ca.gov>

EDD Home Page

<http://www.edd.ca.gov>

California Career Resource Network (CalCRN) — CalCRN is an interagency committee created to promote the development and use of occupational and career information.

<http://www.soicc.ca.gov>

California Department of Finance (DOF) — DOF provides demographic information, population estimates, and cost of living information.

<http://www.dof.ca.gov>

California One-Stop Career Centers

<http://www.sjtcc.ca.gov/sjtccweb/one-stop>

California School To Career (STC) — School-to-Career is a method of teaching that prepares students for college and the job market by integrating academic studies with real world applications and work based learning experiences.

<http://www.stc.ca.gov>

California's Job Bank

<http://www.caljobs.ca.gov>

Department Of Industrial Relations (DIR) — Worker's Compensation, labor law, and statistics.

<http://www.dir.ca.gov>

Federal Government

Federal Department of Labor, Bureau of Labor Statistics

<http://stats.bls.gov>

Bureau of the Census

<http://www.census.gov>

Library of Congress

<http://lcweb.loc.gov>

America's Job Bank

<http://www.ajb.dni.us>

Projections & Planning Information

Module B:

Labor Force

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Module B: Labor Force

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Labor Force

Labor force statistics are derived from the monthly Current Population Survey (CPS) conducted by the Bureau of Census for the Bureau of Labor Statistics (BLS). This monthly survey collects demographic data including employment and unemployment status for all states. The CPS sample consists of over 60,000 households nationwide with over 4,600 households in California. These data represent counts of individuals by place of residence rather than a count of jobs.

County-level labor force data, with the exception of Los Angeles county, are derived using a variety of information including CPS information, Wage and Salary Employment, and unemployment claims data for local areas.

Civilian Labor Force includes all non-institutional civilians, 16 years of age and older, who are working or looking for work: the sum of employed and unemployed.

Civilian Employment includes all individuals who are working, either for a wage or salary, self-employed, working at least one hour for pay or profit each week, or working at least 15 unpaid hours in a family business. Those who are on vacation, other kinds of leave, or involved in a labor dispute, are also counted as employed (whether or not they were paid for the time off).

Civilian Unemployment includes those individuals who are not working but are able, available and looking for work.

Unemployment Rate is the number of unemployed individuals expressed as a percentage of the civilian labor force.

Suggestions for Users

Regular users of labor force data include grant writers, economic development professionals, government agencies and local social service agencies. This section also provides suggestions for the first time user, the job hunter and the occasional user.

- County labor force data are not seasonally adjusted. It is important to request "not seasonally

adjusted" labor force data for the state and the nation to make a valid comparison.

- The employment and unemployment figures tend to vary from month to month for many reasons. As a result, the annual average figures, over time, tend to be a better estimate of the labor force trends within the area.
- The unemployment rate may not reflect the economic conditions in all areas of the county. The labor market can vary greatly in different industries, in different occupations, and in different parts of the county.
- Month-to-month labor force data are a useful indicator of seasonal changes in an area, such as outdoor activities (i.e. construction), holiday hiring, school schedules and agricultural patterns.
- California labor force data for years prior to 1990 are not directly comparable with data for 1990 and later years due to the introduction of the 1990 Census population controls.

Additional Sources of Information:

- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development Organizations
- Newspapers

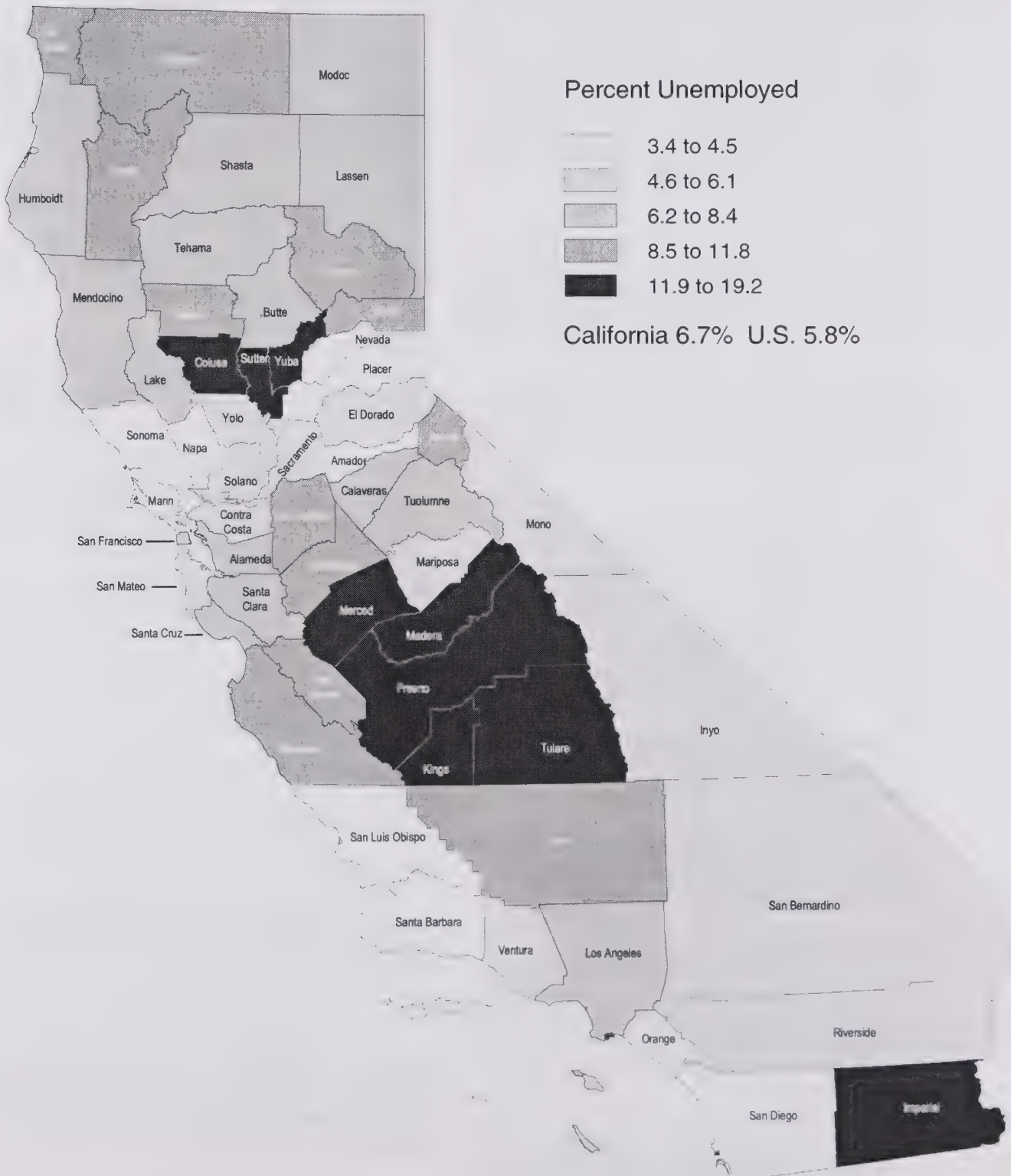
Electronic access to data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

Please call **(916) 262-2162** for additional information or technical assistance, to obtain current monthly data, or contact information for local labor market consultants.

County Unemployment Rates

2002 Annual Averages



United States, California and Counties
Unemployment Rates
2001, 2002 Annual Averages*

	2001	2002		2001	2002
U.S.	4.7	5.8			
CALIFORNIA	5.4	6.7			
Alameda	4.6	6.8	Orange	3.0	4.1
Alpine	9.6	9.8	Placer	3.5	4.5
Amador	3.9	4.4	Plumas	8.5	9.0
Butte	7.1	7.7	Riverside	5.2	6.1
Calaveras	6.0	7.0	Sacramento	4.2	5.4
Colusa	15.6	16.4	San Benito	8.4	10.0
Contra Costa	3.3	5.2	San Bernardino	4.8	5.7
Del Norte	8.8	9.3	San Diego	3.2	4.3
El Dorado	4.0	5.0	San Francisco	5.2	7.3
Fresno	13.8	14.4	San Joaquin	8.8	10.1
Glenn	9.6	10.2	San Luis Obispo	2.8	3.4
Humboldt	6.0	6.5	San Mateo	2.9	5.0
Imperial	21.8	19.2	Santa Barbara	3.5	4.2
Inyo	4.9	5.9	Santa Clara	4.6	8.4
Kern	10.7	11.8	Santa Cruz	6.2	8.0
Kings	13.7	14.6	Shasta	6.8	7.4
Lake	7.3	8.4	Sierra	9.7	11.4
Lassen	6.7	6.7	Siskiyou	9.4	9.8
Los Angeles	5.7	6.8	Solano	4.1	5.5
Madera	12.2	12.7	Sonoma	3.0	4.5
Marin	2.5	3.9	Stanislaus	10.3	11.4
Mariposa	5.6	5.8	Sutter	12.4	13.6
Mendocino	6.7	7.2	Tehama	6.4	6.8
Merced	14.1	14.4	Trinity	9.9	9.7
Modoc	6.1	6.7	Tulare	15.5	15.5
Mono	5.3	5.6	Tuolumne	5.6	6.4
Monterey	9.4	10.5	Ventura	4.6	5.4
Napa	3.2	4.3	Yolo	4.3	5.0
Nevada	3.6	4.5	Yuba	12.1	13.3

*March 2002 Benchmark figures.

Orange County
Civilian Labor Force, Employment and Unemployment
 (2002 Benchmark)
 Annual Averages 1990–2002

	Labor Force	Employment	Unemployment	Rate
2002	1,560,700	1,496,100	64,600	4.1%
2001	1,540,200	1,493,300	46,900	3.0%
2000	1,502,100	1,463,900	38,200	2.5%
1999	1,471,700	1,432,700	39,000	2.6%
1998	1,435,100	1,393,700	41,400	2.9%
1997	1,385,100	1,339,900	45,200	3.3%
1996	1,340,200	1,285,200	55,000	4.1%
1995	1,331,000	1,263,300	67,700	5.1%
1994	1,347,800	1,271,300	76,500	5.7%
1993	1,332,400	1,242,700	89,700	6.7%
1992	1,335,800	1,246,900	88,900	6.7%
1991	1,320,100	1,251,400	68,700	5.2%
1990	1,358,600	1,311,400	47,200	3.5%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

Orange County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

		Labor Force	Employment	Unemployment	Rate
2002	January	1,546,700	1,484,400	62,200	4.0%
	February	1,551,200	1,489,700	61,500	4.0%
	March	1,557,600	1,495,600	62,000	4.0%
	April	1,549,100	1,487,800	61,200	4.0%
	May	1,550,700	1,490,100	60,600	3.9%
	June	1,563,300	1,495,500	67,700	4.3%
	July	1,564,300	1,493,000	71,200	4.6%
	August	1,566,400	1,498,600	67,800	4.3%
	September	1,557,200	1,489,700	67,400	4.3%
	October	1,574,600	1,506,800	67,800	4.3%
	November	1,574,300	1,509,100	65,200	4.1%
	December	1,573,500	1,512,700	60,800	3.9%
	Annual Average	1,560,700	1,496,100	64,600	4.1%
2001	January	1,528,500	1,491,100	37,300	2.4%
	February	1,532,100	1,494,300	37,800	2.5%
	March	1,536,300	1,499,000	37,300	2.4%
	April	1,532,200	1,492,500	39,700	2.6%
	May	1,533,500	1,492,700	40,800	2.7%
	June	1,542,300	1,494,400	47,900	3.1%
	July	1,545,500	1,492,700	52,800	3.4%
	August	1,546,700	1,494,600	52,100	3.4%
	September	1,538,400	1,486,000	52,400	3.4%
	October	1,550,700	1,493,800	56,900	3.7%
	November	1,549,400	1,492,800	56,600	3.7%
	December	1,546,300	1,495,200	51,100	3.3%
	Annual Average	1,540,200	1,493,300	46,900	3.0%
2000	January	1,472,400	1,433,100	39,300	2.7%
	February	1,480,800	1,443,200	37,700	2.5%
	March	1,491,600	1,454,300	37,200	2.5%
	April	1,500,100	1,464,100	36,000	2.4%
	May	1,489,900	1,453,600	36,300	2.4%
	June	1,498,600	1,456,200	42,500	2.8%
	July	1,514,500	1,469,300	45,300	3.0%
	August	1,517,900	1,476,500	41,400	2.7%
	September	1,511,900	1,472,800	39,100	2.6%
	October	1,517,800	1,480,200	37,600	2.5%
	November	1,513,600	1,478,800	34,800	2.3%
	December	1,515,400	1,484,700	30,700	2.0%
	Annual Average	1,502,100	1,463,900	38,200	2.5%

Orange County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1999	January	1,451,800	1,409,200	42,600	2.9%
	February	1,456,800	1,416,800	40,000	2.7%
	March	1,463,200	1,424,800	38,400	2.6%
	April	1,463,500	1,427,000	36,500	2.5%
	May	1,462,000	1,426,500	35,500	2.4%
	June	1,468,800	1,427,700	41,100	2.8%
	July	1,483,300	1,439,200	44,200	3.0%
	August	1,481,100	1,440,600	40,400	2.7%
	September	1,469,900	1,430,200	39,700	2.7%
	October	1,486,400	1,447,400	39,000	2.6%
	November	1,485,200	1,448,400	36,800	2.5%
	December	1,488,100	1,454,800	33,300	2.2%
	Annual Average	1,471,700	1,432,700	39,000	2.6%
1998	January	1,420,400	1,376,500	43,900	3.1%
	February	1,423,100	1,381,400	41,700	2.9%
	March	1,423,300	1,383,800	39,500	2.8%
	April	1,422,700	1,384,400	38,300	2.7%
	May	1,427,300	1,388,700	38,600	2.7%
	June	1,437,100	1,393,400	43,700	3.0%
	July	1,445,500	1,399,000	46,500	3.2%
	August	1,445,200	1,400,700	44,500	3.1%
	September	1,434,700	1,390,700	44,000	3.1%
	October	1,447,500	1,406,100	41,400	2.9%
	November	1,446,700	1,407,800	39,000	2.7%
	December	1,447,600	1,412,100	35,500	2.5%
	Annual Average	1,435,100	1,393,700	41,400	2.9%
1997	January	1,354,900	1,304,200	50,800	3.7%
	February	1,358,900	1,311,600	47,300	3.5%
	March	1,364,800	1,321,100	43,800	3.2%
	April	1,366,400	1,323,500	42,800	3.1%
	May	1,370,900	1,327,800	43,100	3.1%
	June	1,387,600	1,340,800	46,900	3.4%
	July	1,400,700	1,349,800	50,800	3.6%
	August	1,399,900	1,352,200	47,700	3.4%
	September	1,389,400	1,341,900	47,600	3.4%
	October	1,407,900	1,363,600	44,200	3.1%
	November	1,408,800	1,368,800	40,000	2.8%
	December	1,410,300	1,373,300	37,000	2.6%
	Annual Average	1,385,100	1,339,900	45,200	3.3%

Orange County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1996	January	1,324,300	1,262,200	62,100	4.7%
	February	1,329,500	1,269,500	60,000	4.5%
	March	1,331,700	1,275,900	55,700	4.2%
	April	1,326,100	1,271,500	54,600	4.1%
	May	1,331,300	1,276,600	54,700	4.1%
	June	1,341,300	1,283,900	57,300	4.3%
	July	1,345,400	1,284,800	60,600	4.5%
	August	1,346,300	1,289,300	57,000	4.2%
	September	1,340,700	1,285,900	54,800	4.1%
	October	1,354,700	1,303,000	51,700	3.8%
	November	1,353,800	1,306,100	47,700	3.5%
	December	1,356,300	1,313,000	43,300	3.2%
	Annual Average	1,340,200	1,285,200	55,000	4.1%
1995	January	1,328,400	1,257,800	70,600	5.3%
	February	1,328,600	1,261,200	67,400	5.1%
	March	1,329,200	1,265,000	64,200	4.8%
	April	1,322,700	1,255,400	67,300	5.1%
	May	1,321,100	1,253,700	67,400	5.1%
	June	1,334,200	1,263,000	71,200	5.3%
	July	1,340,800	1,264,200	76,600	5.7%
	August	1,341,400	1,269,400	72,000	5.4%
	September	1,328,100	1,257,800	70,300	5.3%
	October	1,333,600	1,266,300	67,300	5.0%
	November	1,332,900	1,269,900	63,000	4.7%
	December	1,331,500	1,276,400	55,100	4.1%
	Annual Average	1,331,000	1,263,300	67,700	5.1%
1994	January	1,335,800	1,247,900	87,900	6.6%
	February	1,339,900	1,254,800	85,100	6.3%
	March	1,341,500	1,263,200	78,300	5.8%
	April	1,337,600	1,260,600	77,000	5.8%
	May	1,340,800	1,264,400	76,400	5.7%
	June	1,354,000	1,274,100	79,900	5.9%
	July	1,364,300	1,279,200	85,100	6.2%
	August	1,363,200	1,284,400	78,800	5.8%
	September	1,349,700	1,274,600	75,100	5.6%
	October	1,354,400	1,283,800	70,600	5.2%
	November	1,350,000	1,284,900	65,100	4.8%
	December	1,342,400	1,283,100	59,300	4.4%
	Annual Average	1,347,800	1,271,300	76,500	5.7%

Orange County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1993	January	1,325,200	1,230,400	94,800	7.2%
	February	1,322,200	1,231,000	91,200	6.9%
	March	1,325,200	1,237,800	87,400	6.6%
	April	1,319,800	1,233,900	85,900	6.5%
	May	1,319,600	1,232,300	87,300	6.6%
	June	1,332,000	1,238,900	93,100	7.0%
	July	1,348,300	1,249,000	99,300	7.4%
	August	1,345,000	1,252,300	92,700	6.9%
	September	1,328,400	1,236,700	91,700	6.9%
	October	1,342,900	1,254,200	88,700	6.6%
	November	1,344,000	1,258,400	85,600	6.4%
	December	1,336,400	1,257,800	78,600	5.9%
	Annual Average	1,332,400	1,242,700	89,700	6.7%
1992	January	1,317,300	1,240,700	76,600	5.8%
	February	1,323,900	1,243,400	80,500	6.1%
	March	1,332,700	1,253,200	79,500	6.0%
	April	1,322,200	1,240,100	82,100	6.2%
	May	1,324,400	1,239,900	84,500	6.4%
	June	1,337,700	1,245,100	92,600	6.9%
	July	1,348,300	1,249,700	98,600	7.3%
	August	1,349,300	1,252,900	96,400	7.1%
	September	1,334,000	1,237,200	96,800	7.3%
	October	1,350,600	1,254,500	96,100	7.1%
	November	1,348,600	1,254,000	94,600	7.0%
	December	1,341,000	1,252,700	88,300	6.6%
	Annual Average	1,335,800	1,246,900	88,900	6.7%
1991	January	1,318,100	1,254,800	63,300	4.8%
	February	1,319,900	1,254,800	65,100	4.9%
	March	1,323,100	1,258,900	64,200	4.9%
	April	1,315,700	1,250,200	65,500	5.0%
	May	1,314,200	1,247,900	66,300	5.0%
	June	1,320,800	1,247,700	73,100	5.5%
	July	1,332,000	1,255,100	76,900	5.8%
	August	1,326,000	1,254,400	71,600	5.4%
	September	1,310,000	1,238,500	71,500	5.5%
	October	1,325,000	1,252,700	72,300	5.5%
	November	1,321,900	1,253,200	68,700	5.2%
	December	1,314,000	1,248,100	65,900	5.0%
	Annual Average	1,320,100	1,251,400	68,700	5.2%

Orange County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1990	January	1,367,700	1,328,700	39,000	2.8%
	February	1,375,900	1,337,900	38,100	2.8%
	March	1,378,900	1,342,400	36,500	2.6%
	April	1,359,600	1,320,300	39,300	2.9%
	May	1,360,200	1,317,600	42,600	3.1%
	June	1,367,900	1,318,900	49,000	3.6%
	July	1,375,300	1,322,100	53,200	3.9%
	August	1,372,700	1,321,700	51,000	3.7%
	September	1,324,600	1,270,900	53,700	4.1%
	October	1,339,300	1,284,800	54,600	4.1%
	November	1,345,100	1,288,700	56,300	4.2%
	December	1,336,200	1,282,500	53,700	4.0%
	Annual Average	1,358,600	1,311,400	47,200	3.5%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

Projections & Planning Information

Module C:

Wage & Salary Employment

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Module C: Wage and Salary

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Wage and Salary Employment

Industry employment data reflect jobs by "place of work" and by broad industry categories. The data do not include the self-employed, unpaid family workers or private household employees. Jobs located in a county or Metropolitan Statistical Area (MSA) that pay wages and salaries are counted, although workers may live outside the area. Jobs are counted regardless of the number of hours worked. Individuals who hold more than one job may be counted more than once.

Current Employment Statistics

These data are based on the Current Employment Statistics (CES) survey. The CES survey summarizes monthly employment, and hours and earnings data from a sample of California employers. This survey is also referred to as the establishment, or wage and salary employment survey. The estimates are revised in the following month as job information is received from additional employers. Final revisions to the statewide and local area data, referred to as "Benchmark data," are made each March for the previous two years based on payroll tax reports submitted by California employers covered by the Unemployment Insurance program.

Classification

Formerly, industry employment data were coded using the Standard Industrial Classification (SIC) system. In 1998, California began to transition from SIC to the new North American Industry Classification System (NAICS).

NAICS is the product of a cooperative effort on the part of the statistical agencies of the United States, Canada, and Mexico. It uses a production-oriented approach to categorize economic units. Units with similar production processes are classified in the same industry. NAICS focuses on how products and services are created, as opposed to SIC which focuses on what is produced. Using NAICS yields significantly different industry groupings than those produced using SIC. Due to these differences, NAICS data will not be directly comparable to the SIC-based data for earlier years.

Many programs within EDD produce or use data by industry, but some of these programs have not

yet transitioned from SIC to NAICS. For example, while the official estimates of employment by industry (also known as the Current Employment Statistics or CES program) began publishing data by NAICS with the release of Benchmark and monthly average data in February of 2003, the projections of employment by industry and occupation will not incorporate NAICS codes until the release of the 2002–2012 data (anticipated release in late 2003 or early 2004).

Annual Average Data

Annual average data are derived by adding up the monthly data for each industry and dividing by twelve to determine an actual annual average. These annual average data may reflect major business openings, expansions, and closings. Or, these data may reflect trends affecting an entire industry such as economic conditions, structural and technological changes.

Users of Wage and Salary Data

Economic developers, firms considering relocation, government agencies, grant writers, universities and anyone preparing reports on employment use wage and salary employment information to identify local industry trends. People looking for work and those counseling or placing others may learn about prospects for employment in various industries. Anyone seeking background information may use the wage and salary industry employment tables to look at the county's economy as a whole; at one industry; and/or at related industries for a firm's suppliers or for potential markets.

Points to Consider

Monthly job estimates are not adjusted for seasonal changes in employment. It is important to keep in mind that month-to-month changes may be due to regular seasonal patterns in an industry. For instance, during the holiday shopping season, retail jobs increase and during the summer, there are more workers in the construction industry. On the other hand, changes may reflect new businesses, expansions, or closings. Comparison of monthly changes for the same period in prior years will provide a better understanding of whether the change is seasonal or atypical.

Monthly fluctuations in wage and salary employment are an essential part of the changes that occur in the dynamic economy of a county or region. It is important to study wage and salary employment data over time to evaluate the strength of the local economy.

Wage and salary employment data identify which industries have the largest number of jobs. However, an industry with a large number of workers may not necessarily be expanding; it may even be downsizing, while new and expanding industries may not have large numbers of existing jobs but are a good source for new job opportunities.

Annual average data, over time, tend to be a better indicator of employment trends for the various industries in an area.

Additional Sources of Information

You may consult the labor force and industry and occupational projections modules of this report for more information on economic conditions in the county. Or, you may speak with the Labor Market Information Division's (LMID) area consultants located throughout the state who are knowledgeable about the economic activities within their local areas. Other sources of information include:

- U. S. Bureau of Labor Statistics
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Universities and Colleges

Automated Access

Access to current data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

For technical assistance or additional information about the Employment Development Department's website, please call (916) 262-2162. To obtain contact information for local labor market consultants or to obtain current monthly data, customers may also call (916) 262-2162, or FAX (916) 262-2443.

Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Total, All Industries	1,396,500	1,420,800	1,410,700
Total Farm	7,600	7,100	7,700
Total Nonfarm	1,388,900	1,413,700	1,403,000
Total Private	1,242,300	1,262,800	1,247,900
Goods Producing	294,300	289,800	269,800
Natural Resources and Mining	600	600	500
Construction	77,000	80,700	79,200
Construction of Buildings	17,000	17,400	16,500
Heavy and Civil Engineering Construction	7,300	6,700	7,000
Specialty Trade Contractors	52,700	56,600	55,700
Manufacturing	216,700	208,500	190,000
Durable Goods	153,400	147,800	133,000
Fabricated Metal Product Mfg	25,000	25,300	22,700
Machinery Manufacturing	13,500	12,300	11,400
Computer and Electronic Product Manufacturing	50,700	49,500	43,400
Computer and Peripheral Equipment Manufacturing	5,900	5,800	5,500
Communications Equipment Manufacturing	5,000	5,200	4,100
Semiconductor and Electronic Component Manufacturing	20,100	19,800	16,600
Electronic Instrument Manufacturing	16,600	16,200	15,200
Residual-Magnetic Media Manufacturing and Reproducing	3,100	2,500	2,200
Transportation Equipment Manufacturing	20,800	19,500	17,900
Aerospace Product and Parts Manufacturing	14,300	13,000	11,600
Residual-Other Transportation Equipment Manufacturing	6,500	6,500	6,300
Residual-Miscellaneous Manufacturing	43,400	41,300	37,600
Nondurable Goods	63,300	60,700	57,000
Food Manufacturing	8,000	7,900	7,600
Textile & Apparel	15,400	14,400	13,100
Paper Manufacturing	4,500	4,300	4,200
Printing and Related Support Activities	11,000	10,700	10,100
Residual-Beverage and Tobacco Product Mfg	24,400	23,400	22,000
Service Providing	1,094,500	1,123,900	1,133,300
Trade, Transportation and Utilities	259,100	264,400	262,300
Wholesale Trade	80,800	83,900	81,300
Merchant Wholesalers, Durable Goods	51,300	53,700	50,700
Merchant Wholesalers, Nondurable Goods	20,200	20,500	20,600
Wholesale Electronic Markets and Agents and Brokers	9,300	9,700	10,000
Retail Trade	147,800	150,100	152,400
Motor Vehicle and Parts Dealer	18,400	18,500	18,900
Electronics and Appliance Stores	11,900	10,900	9,600
Building Material and Garden Equipment Stores	11,000	11,700	11,600
Food and Beverage Stores	23,000	24,800	26,500
Grocery Stores	20,000	21,400	23,000
Residual-Specialty Food Stores	3,100	3,400	3,600

*March 2002 Benchmark figures.

Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Health and Personal Care Stores	9,000	9,500	9,800
Clothing and Clothing Accessories Stores	17,200	17,600	18,200
Sporting Goods, Hobby, Book and Music Stores	8,800	8,900	8,400
General Merchandise Stores	20,900	20,800	21,700
Residual-Miscellaneous Store Retailers	27,600	27,500	27,800
Transportation, Warehousing and Utilities	30,400	30,400	28,500
Utilities	3,400	3,400	3,700
Transportation and Warehousing	27,000	27,000	24,900
Residual-Air Transportation	13,600	14,100	13,500
Couriers and Messengers	8,200	7,800	7,200
Warehousing and Storage	5,300	5,100	4,100
Information	41,500	40,200	36,000
Publishing Industries (except Internet)	12,100	12,200	10,600
Telecommunications	16,500	16,300	15,400
Wireless Telecommunications Carriers	4,500	3,700	3,600
Telecommunications Resellers	7,100	7,600	7,100
Residual-Other Telecommunications	4,900	4,900	4,700
Residual-Other Information Services	12,800	11,700	10,000
Financial Activities	100,800	105,900	110,600
Finance and Insurance	69,700	73,800	77,100
Credit Intermediation and Related Activities	34,000	35,600	38,700
Depository Credit Intermediation	14,400	15,100	16,200
Nondepository Credit Intermediation	13,500	14,300	16,000
Activities Related to Credit Intermediation	6,100	6,200	6,600
Insurance Carriers and Related	28,100	29,500	29,200
Insurance Carriers	16,200	17,300	16,900
Agencies, Brokerages, and Other Insurance Related Activities	11,900	12,200	12,300
Residual-Other Finance	7,600	8,700	9,200
Real Estate and Rental and Leasing	31,100	32,100	33,500
Real Estate	23,500	25,000	27,000
Residual-Rental and Leasing Services	7,600	7,100	6,500
Professional and Business Services	248,800	248,400	249,200
Professional, Scientific and Technical Services	91,700	94,300	93,400
Legal Services	12,100	12,800	13,200
Accounting, Tax Preparation and Bookkeeping Services	9,200	9,900	10,200
Architectural, Engineering and Related Services	19,800	20,800	20,700
Computer Systems Design and Related Services	17,900	17,000	14,900
Management, Scientific and Technical Consulting Services	10,100	10,800	11,800
Advertising and Related Services	10,400	10,300	10,100
Residual-Other Professional, Scientific and Technical Services	12,200	12,700	12,500

*March 2002 Benchmark figures.

Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Management of Companies and Enterprises	38,800	39,700	36,300
Administrative and Support and Waste Services	118,300	114,500	119,600
Administrative and Support Services	114,100	110,200	115,900
Employment Services	55,000	50,300	55,000
Investigation and Security Services	10,200	10,900	11,000
Services to Buildings and Dwellings	28,600	28,400	27,300
Residual-Other Support Services	20,400	20,600	22,500
Waste Management and Remediation Services	4,200	4,300	3,700
Educational and Health Services	112,800	114,600	117,800
Educational Services	17,800	16,000	16,000
Colleges, Universities and Professional Schools	5,800	4,100	4,100
Residual-Elementary and Secondary Schools	12,100	11,900	11,900
Health Care and Social Assistance	95,000	98,600	101,800
Ambulatory Health Care Services	44,700	45,400	47,400
Hospitals	25,200	26,300	27,700
Nursing and Residential Care Facilities	14,800	15,600	15,300
Social Assistance	10,400	11,300	11,500
Leisure and Hospitality	140,700	154,300	156,400
Arts, Entertainment, and Recreation	29,600	37,400	37,600
Amusement, Gambling, and Recreation	24,900	32,700	32,800
Residual-Performing Arts, Spectator Sports	4,700	4,600	4,800
Accommodation and Food Service	111,100	117,000	118,800
Accommodation	18,800	19,100	18,900
Food Services and Drinking Places	92,300	97,800	99,900
Full-Service Restaurants	45,200	47,700	49,800
Limited-Service Eating Places	42,800	44,000	44,100
Residual-Special Food Services	4,400	6,100	6,100
Other Services	44,200	45,200	45,900
Government	146,600	150,900	155,100
Federal Government	13,000	12,000	11,700
Department of Defense	1,400	1,300	1,300
Other Federal Government	11,600	10,700	10,400
State and Local Government	133,600	138,900	143,400
State Government	24,400	25,500	26,400
State Government Education	14,700	15,400	16,100
Other State Government	9,700	10,200	10,300
Local Government	109,200	113,300	117,000
Local Government Education	70,500	73,200	75,900
County	18,500	18,900	19,400
City	16,900	17,500	17,700
Other Local Government	3,400	3,700	4,000

Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	1,356,900	1,371,200	1,383,000	1,386,700	1,397,800	1,405,200	1,394,800	1,399,900	1,413,300	1,408,700	1,415,500	1,424,900	1,396,500
Total Farm	6,300	7,500	8,900	10,400	10,400	8,900	7,200	6,900	6,800	6,900	5,900	5,500	7,600
Total Nonfarm	1,350,600	1,363,700	1,374,100	1,376,300	1,387,400	1,396,300	1,387,600	1,393,000	1,406,500	1,401,800	1,409,600	1,419,400	1,388,900
Total Private	1,207,500	1,216,400	1,225,900	1,226,600	1,233,500	1,248,000	1,249,500	1,257,100	1,261,600	1,253,300	1,258,900	1,269,000	1,242,300
Goods Producing	284,700	286,700	289,700	289,400	292,800	298,100	298,300	299,800	301,800	296,000	296,600	298,000	294,300
Natural Resources and Mining	600	600	600	600	600	600	600	600	700	700	600	700	600
Construction	71,900	72,300	73,600	74,700	76,500	79,300	77,900	79,700	80,500	79,000	79,100	79,200	77,000
Construction of Buildings	16,000	16,200	16,300	16,900	17,100	17,500	17,100	17,400	17,300	17,200	17,300	17,200	17,000
Heavy and Civil Engineering Construction	6,600	6,600	6,700	7,500	7,700	7,800	7,000	7,300	7,700	7,900	7,700	7,600	7,300
Specialty Trade Contractors	49,300	49,500	50,600	50,300	51,700	54,000	53,800	55,000	55,500	53,900	54,100	54,400	52,700
Manufacturing	212,200	213,800	215,500	214,100	215,700	218,200	219,800	219,500	220,600	216,300	216,900	218,100	216,700
Durable Goods	150,100	151,000	152,100	150,500	151,600	153,300	155,900	155,700	156,500	153,900	154,600	155,900	153,400
Fabricated Metal Product Mfg	24,300	24,600	24,700	24,500	24,500	25,000	25,000	25,100	25,100	25,500	25,700	25,800	25,000
Machinery Manufacturing	13,500	13,700	13,600	13,600	13,600	13,700	13,500	13,400	13,500	13,400	13,400	13,500	13,500
Computer and Electronic Product Manufacturing	49,200	49,500	49,900	50,400	50,600	51,300	51,800	51,700	52,100	50,300	50,700	50,900	50,700
Computer and Peripheral Equipment Manufacturing	5,900	5,900	5,900	5,900	5,900	5,900	5,900	5,900	5,900	5,800	5,800	5,800	5,900
Communications Equipment Manufacturing	4,900	4,900	5,000	5,100	5,100	5,200	5,200	4,900	4,900	4,900	5,000	5,000	5,000
Semiconductor and Electronic Component Manufacturing	19,000	19,200	19,500	19,300	19,600	20,000	20,500	20,500	20,900	20,900	21,000	21,100	20,100
Electronic Instrument Manufacturing	16,300	16,300	16,400	17,000	17,000	17,100	17,200	17,200	17,300	15,700	15,800	15,800	16,600
Residual-Magnetic Media Manufacturing and Reproducing	3,100	3,200	3,100	3,100	3,000	3,100	3,000	3,200	3,100	3,000	3,100	3,200	3,100
Transportation Equipment Manufacturing	20,600	20,200	20,300	20,100	20,400	20,600	20,800	20,900	21,100	21,300	21,500	21,700	20,800
Aerospace Product and Parts Manufacturing	13,800	13,900	14,000	14,000	14,100	14,200	14,300	14,400	14,500	14,600	14,700	14,800	14,300
Residual-Other Transportation Equipment Manufacturing	6,800	6,300	6,300	6,100	6,300	6,400	6,500	6,500	6,600	6,700	6,800	6,900	6,500
Residual-Miscellaneous Manufacturing	42,500	43,000	43,600	41,900	42,500	42,700	44,800	44,600	44,700	43,400	43,300	44,000	43,400
Nondurable Goods	62,100	62,800	63,400	63,600	64,100	64,900	63,900	63,800	64,100	62,400	62,300	62,200	63,300
Food Manufacturing	7,800	7,800	7,900	7,900	8,100	8,200	8,200	8,100	8,000	8,000	8,000	8,000	8,000
Textile & Apparel	14,800	15,200	15,400	15,800	15,900	15,900	15,700	15,600	15,600	15,100	15,000	15,000	15,400
Paper Manufacturing	4,500	4,500	4,600	4,400	4,500	4,600	4,600	4,500	4,500	4,500	4,500	4,500	4,500
Printing and Related Support Activities	10,700	10,900	11,000	11,100	11,100	11,200	10,900	11,000	11,000	11,000	11,100	10,900	11,000
Residual-Beverage and Tobacco Product Mfg	24,300	24,400	24,500	24,400	24,500	25,000	24,500	24,600	25,000	23,800	23,700	23,800	24,400
Service Providing	1,065,900	1,077,000	1,084,400	1,086,900	1,094,600	1,098,200	1,089,300	1,093,200	1,104,700	1,105,800	1,113,000	1,121,400	1,094,500
Trade, Transportation and Utilities	256,300	255,000	254,900	254,600	255,500	257,600	256,900	258,000	258,900	261,800	267,000	272,400	259,100
Wholesale Trade	81,300	81,300	80,700	80,300	80,300	80,200	79,900	79,900	80,200	81,700	81,900	82,400	80,600
Merchant Wholesalers, Durable Goods	52,600	52,400	51,700	51,000	50,600	50,500	50,100	50,300	50,400	51,800	52,000	52,300	51,300
Merchant Wholesalers, Nondurable Goods	19,500	19,600	19,800	20,100	20,400	20,400	20,600	20,300	20,400	20,500	20,500	20,600	20,200
Wholesale Electronic Markets and Agents and Brokers	9,200	9,300	9,200	9,200	9,300	9,300	9,200	9,300	9,400	9,400	9,400	9,500	9,300

*March 2002 Benchmark figures.

Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Retail Trade	145,700	144,400	144,700	144,000	145,000	147,000	146,300	147,300	147,800	149,200	153,900	158,700	147,800
Motor Vehicle and Parts Dealer	18,100	18,200	18,300	18,400	18,400	18,600	18,500	18,400	18,500	18,500	18,500	18,500	18,400
Electronics and Appliance Stores	11,700	11,700	11,900	11,400	11,900	12,100	11,900	12,000	12,000	12,100	11,700	12,500	11,900
Building Material and Garden Equipment Stores	10,300	10,300	10,400	10,900	11,100	11,200	11,000	11,100	11,100	11,400	11,400	11,300	11,000
Food and Beverage Stores	23,400	23,200	23,200	22,600	22,500	22,700	22,800	22,800	23,100	23,200	23,300	23,700	23,000
Grocery Stores	20,100	20,100	20,200	19,700	19,600	19,700	19,800	19,800	20,100	20,100	20,000	20,200	20,000
Residual-Specialty Food Stores	3,300	3,100	3,000	2,900	2,900	3,000	3,000	3,000	3,000	3,100	3,300	3,500	3,100
Health and Personal Care Stores	8,500	8,600	8,800	8,900	8,900	9,100	9,100	9,100	9,200	9,200	9,400	9,400	9,000
Clothing and Clothing Accessories Stores	16,600	16,200	16,400	16,500	16,800	17,300	17,000	17,200	17,200	17,300	18,500	19,700	17,200
Sporting Goods, Hobby, Book and Music Stores	9,100	8,800	8,700	8,600	8,400	8,500	8,600	8,900	8,600	8,500	9,100	9,600	8,800
General Merchandise Stores	21,300	20,300	19,800	19,700	19,900	20,300	19,900	20,300	20,200	21,100	23,600	24,800	20,900
Residual-Miscellaneous Store Retailers	26,700	27,100	27,200	27,000	27,100	27,200	27,500	27,500	27,900	27,900	28,400	29,200	27,600
Transportation, Warehousing and Utilities	29,300	29,300	29,500	30,300	30,200	30,400	30,700	30,800	30,900	30,900	31,200	31,300	30,400
Utilities	3,100	3,200	3,200	3,300	3,300	3,400	3,400	3,500	3,500	3,500	3,500	3,600	3,400
Transportation and Warehousing	26,200	26,100	26,300	27,000	26,900	27,000	27,300	27,300	27,400	27,400	27,700	27,700	27,000
Residual-Air Transportation	13,300	13,200	13,400	13,200	13,300	13,400	13,600	13,800	13,800	13,900	13,900	13,800	13,600
Couriers and Messengers	7,700	7,700	7,700	8,400	8,300	8,200	8,400	8,300	8,300	8,200	8,400	8,600	8,200
Warehousing and Storage	5,200	5,200	5,200	5,400	5,300	5,400	5,300	5,200	5,300	5,300	5,400	5,300	5,300
Information	38,900	39,400	39,900	40,300	40,800	41,300	41,700	42,200	42,600	43,200	43,600	43,700	41,500
Publishing Industries (except Internet)	12,000	12,100	12,100	12,100	12,200	12,300	12,300	12,300	12,400	12,100	11,900	11,900	12,100
Telecommunications	16,100	16,200	16,300	16,300	16,400	16,500	16,600	16,700	16,700	16,800	16,800	17,000	16,500
Wireless Telecommunications Carriers	4,600	4,600	4,700	4,500	4,400	4,500	4,400	4,400	4,500	4,500	4,500	4,700	4,500
Telecommunications Resellers	6,600	6,600	6,800	6,800	6,900	7,100	7,300	7,400	7,500	7,600	7,600	7,500	7,100
Residual-Other Telecommunications	4,900	5,000	4,800	5,000	5,100	4,900	4,900	4,900	4,700	4,700	4,700	4,800	4,900
Residual-Other Information Services	10,800	11,100	11,500	11,900	12,200	12,500	12,800	13,200	13,500	14,300	14,900	14,800	12,800
Financial Activities	99,000	99,900	100,200	100,000	100,100	101,000	100,500	101,900	101,400	101,900	101,600	102,500	100,800
Finance and Insurance	68,800	69,400	69,600	69,100	69,100	69,500	69,100	70,400	70,000	70,500	70,500	70,800	69,700
Credit Intermediation and Related Activities	33,900	34,200	34,000	34,000	33,900	34,100	33,500	33,800	33,700	34,400	34,300	34,500	34,000
Depository Credit Intermediation	14,500	14,600	14,600	14,300	14,200	14,300	14,100	14,200	14,200	14,300	14,500	14,500	14,400
Nondepository Credit Intermediation	14,200	14,100	14,300	13,400	13,300	13,400	13,200	13,200	13,300	13,400	13,300	13,400	13,500
Activities Related to Credit Intermediation	5,200	5,500	5,100	6,300	6,400	6,400	6,200	6,400	6,200	6,700	6,500	6,600	6,100
Insurance Carriers and Related	28,100	28,100	28,200	28,100	28,100	28,200	28,100	28,100	28,100	28,200	28,100	28,100	28,100
Insurance Carriers	15,900	15,900	16,000	16,300	16,300	16,400	16,100	16,500	16,300	16,100	16,200	16,100	16,200
Agencies, Brokerages, and Other Insurance Related Activities	11,600	11,600	11,800	11,900	11,900	11,900	12,000	12,100	12,000	12,100	12,100	12,100	11,900
Residual-Other Finance	6,800	7,100	7,400	7,000	7,100	7,200	7,500	8,500	8,200	7,900	8,100	8,200	7,600
Real Estate and Rental and Leasing	30,200	30,500	30,600	30,900	31,000	31,500	31,400	31,500	31,400	31,400	31,100	31,700	31,100
Real Estate	22,700	22,600	23,000	23,400	23,500	23,900	23,800	23,900	23,800	23,800	23,900	24,100	23,500
Residual-Rental and Leasing Services	7,500	7,900	7,600	7,500	7,500	7,600	7,600	7,600	7,600	7,600	7,200	7,600	7,600

*March 2002 Benchmark figures.

Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Professional and Business Services	241,100	243,900	246,300	246,900	246,700	249,500	249,900	252,300	253,800	250,700	251,800	253,200	248,800
Professional, Scientific and Technical Services	88,300	89,500	90,000	89,900	90,000	91,300	91,800	93,300	93,900	93,600	93,800	95,300	91,700
Legal Services	12,000	12,000	12,100	12,000	12,000	12,200	12,100	12,100	12,000	12,100	12,200	12,300	12,100
Accounting, Tax Preparation and Bookkeeping Services	9,700	9,900	9,900	9,700	8,900	8,800	8,800	8,700	8,700	8,900	8,900	9,500	9,200
Architectural, Engineering and Related Services	19,300	19,200	19,400	19,600	19,700	20,000	19,700	20,000	20,200	19,800	19,900	20,300	19,800
Computer Systems Design and Related Services	17,100	17,400	16,900	17,000	17,300	17,700	18,100	18,700	18,700	18,600	18,600	18,700	17,900
Management, Scientific and Technical Consulting Services	9,100	9,300	9,400	9,600	9,800	9,900	10,600	10,900	11,100	10,600	10,600	10,700	10,100
Advertising and Related Services	9,900	10,000	10,100	10,100	10,300	10,400	10,500	10,600	10,700	10,700	10,800	10,800	10,400
Residual-Other Professional, Scientific and Technical Services	11,200	11,700	12,200	11,900	12,000	12,300	12,000	12,300	12,500	12,900	12,800	13,000	12,200
Management of Companies and Enterprises	39,300	39,300	39,400	38,500	38,500	38,600	38,600	38,700	38,700	38,500	38,600	38,800	38,800
Administrative and Support and Waste Services	113,500	115,100	116,900	118,500	118,200	119,600	119,500	120,300	121,200	118,600	119,400	119,100	118,300
Administrative and Support Services	109,600	111,000	112,900	114,400	114,000	115,400	115,200	115,900	116,800	114,400	115,100	114,700	114,100
Employment Services	51,100	51,800	52,900	55,600	55,100	56,100	56,100	56,400	56,800	55,800	56,200	56,000	55,900
Investigation and Security Services	10,000	10,200	10,200	10,300	10,200	10,300	10,100	10,200	10,500	9,800	9,900	10,200	10,200
Services to Buildings and Dwellings	26,900	27,300	27,500	28,300	28,600	28,800	29,300	29,400	29,700	29,000	29,300	28,900	28,600
Residual-Other Support Services	21,600	21,700	22,300	20,200	20,100	20,200	19,700	19,900	19,800	19,800	19,700	19,600	20,400
Waste Management and Remediation Services	3,900	4,100	4,000	4,100	4,200	4,200	4,300	4,400	4,400	4,200	4,300	4,400	4,200
Educational and Health Services	109,900	111,800	113,200	112,800	112,800	113,600	111,600	111,800	112,900	113,900	114,700	115,100	112,800
Educational Services	16,200	17,600	18,200	18,200	18,100	18,200	17,300	17,100	17,700	18,200	18,500	18,500	17,800
Colleges, Universities and Professional Schools	4,800	5,700	6,000	6,000	6,000	5,800	5,400	5,400	5,800	6,000	6,100	6,100	5,800
Residual-Elementary and Secondary Schools	11,400	11,900	12,200	12,200	12,100	12,400	11,900	11,700	11,900	12,200	12,400	12,400	12,100
Health Care and Social Assistance	93,700	94,200	95,000	94,600	94,700	95,400	94,300	94,700	95,200	95,700	96,200	96,600	95,900
Ambulatory Health Care Services	43,300	43,800	44,400	44,000	44,200	44,600	44,500	45,000	45,300	45,400	45,400	45,900	44,700
Hospitals	25,600	25,400	25,500	25,400	25,200	25,400	25,000	25,000	25,000	24,900	25,100	25,100	25,200
Nursing and Residential Care Facilities	14,700	14,900	14,800	14,800	14,900	14,900	14,500	14,500	14,700	14,700	14,900	14,800	14,800
Social Assistance	10,100	10,100	10,300	10,400	10,400	10,500	10,300	10,200	10,200	10,700	10,800	10,800	10,400
Leisure and Hospitality	134,400	136,300	137,400	138,900	140,900	141,900	145,600	146,100	145,300	141,700	139,700	140,200	140,700
Arts, Entertainment, and Recreation	27,100	27,300	27,500	28,300	29,300	29,500	32,400	32,200	31,800	31,300	29,600	29,300	29,600
Amusement, Gambling, and Recreation	22,700	22,700	22,900	23,200	24,400	24,700	27,300	27,300	26,800	26,900	25,000	24,800	24,900
Residual-Performing Arts, Spectator Sports	4,400	4,600	4,600	5,100	4,900	4,800	5,100	4,900	5,000	4,400	4,600	4,500	4,700
Accommodation and Food Service	107,300	109,000	109,900	110,600	111,600	112,400	113,200	113,900	113,500	110,400	110,100	110,900	111,100
Accommodation	18,700	18,700	18,400	18,900	19,300	19,400	19,100	19,200	19,000	18,300	18,100	18,000	18,800
Food Services and Drinking Places	88,600	90,300	91,500	91,700	92,300	93,000	94,100	94,700	94,500	92,100	92,000	92,900	92,300
Full-Service Restaurants	42,800	44,000	44,700	44,500	44,900	45,300	46,100	46,400	46,700	45,400	45,100	46,000	45,200
Limited-Service Eating Places	41,600	42,300	42,700	42,800	42,900	43,100	43,400	43,700	43,200	42,400	42,700	42,400	42,800
Residual-Special Food Services	4,200	4,000	4,100	4,400	4,500	4,600	4,600	4,600	4,600	4,300	4,200	4,500	4,400
Other Services	43,200	43,400	44,300	43,700	43,900	45,000	45,000	45,000	44,900	44,100	43,900	43,900	44,200

*March 2002 Benchmark figures.

Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Government	143,100	147,300	148,200	149,700	153,900	148,300	138,100	135,900	144,900	148,500	150,700	150,400	146,500
Federal Government	12,400	12,500	12,800	13,200	16,800	12,700	13,200	12,500	12,400	12,400	12,400	12,600	13,000
Department of Defense	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400
Other Federal Government	11,000	11,100	11,400	11,800	15,400	11,300	11,800	11,100	11,000	11,000	11,000	11,200	11,600
State and Local Government	130,700	134,800	135,400	136,500	137,100	135,600	124,900	123,400	132,500	136,100	138,300	137,800	133,500
State Government	23,700	24,100	24,300	24,600	24,500	24,800	23,300	23,300	24,400	24,800	25,200	25,200	24,400
State Government Education	14,400	14,800	15,000	15,200	15,000	15,100	13,500	13,400	14,500	14,900	15,200	15,200	14,700
Other State Government	9,300	9,300	9,300	9,400	9,500	9,700	9,800	9,900	9,900	9,900	10,000	10,000	9,700
Local Government	107,000	110,700	111,100	111,900	112,600	110,800	101,600	100,100	108,100	111,300	113,100	112,600	109,200
Local Government Education	69,600	72,800	73,100	73,600	74,200	71,600	61,300	60,100	68,800	72,500	74,500	74,000	70,500
County	18,300	18,400	18,400	18,500	18,400	18,500	18,500	18,600	18,600	18,700	18,600	18,600	18,500
City	16,100	16,300	16,300	16,500	16,600	17,200	18,400	18,000	17,200	16,600	16,500	16,500	16,900
Other Local Government	3,000	3,200	3,300	3,300	3,400	3,500	3,400	3,400	3,500	3,500	3,500	3,500	3,400

*March 2002 Benchmark figures.

Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	1,412,500	1,421,300	1,430,700	1,427,900	1,431,400	1,435,400	1,412,200	1,412,400	1,415,900	1,414,000	1,416,300	1,419,500	1,420,800
Total Farm	6,000	6,900	7,900	8,600	8,900	7,800	7,000	6,800	6,800	6,800	6,000	5,600	7,100
Total Nonfarm	1,406,500	1,414,400	1,422,800	1,419,300	1,422,500	1,427,600	1,405,200	1,405,600	1,409,100	1,407,200	1,410,300	1,413,900	1,413,700
Total Private	1,259,100	1,263,200	1,270,000	1,266,200	1,268,700	1,272,600	1,263,200	1,265,300	1,259,700	1,253,300	1,254,100	1,258,300	1,262,800
Goods Producing	292,400	294,300	295,300	292,900	293,500	293,900	291,200	291,200	288,900	284,300	280,800	279,100	289,800
Natural Resources and Mining	600	600	600	600	600	600	600	600	600	600	600	600	600
Construction	76,300	76,900	77,700	78,800	80,600	82,500	83,200	84,800	84,500	82,300	80,800	79,800	80,700
Construction of Buildings	16,900	17,400	17,700	17,700	18,000	18,100	17,600	17,700	17,400	17,000	16,600	16,500	17,400
Heavy and Civil Engineering Construction	6,500	6,400	6,300	6,300	6,400	6,500	6,600	6,800	6,900	7,100	7,100	7,200	6,700
Specialty Trade Contractors	52,900	53,100	53,700	54,800	56,200	57,900	59,000	60,300	60,200	58,200	57,100	56,100	56,600
Manufacturing	215,500	216,800	217,000	213,500	212,300	210,800	207,400	205,800	203,800	201,400	199,400	198,700	208,500
Durable Goods	153,700	154,800	154,600	151,300	149,900	148,800	146,900	145,600	144,000	142,400	141,200	140,700	147,800
Fabricated Metal Product Mfg	26,000	26,200	26,200	26,100	26,000	25,800	25,200	24,900	24,500	24,300	24,000	23,800	25,300
Machinery Manufacturing	13,100	13,000	12,700	12,300	12,300	12,200	12,200	12,200	12,000	12,000	12,000	12,000	12,300
Computer and Electronic Product Manufacturing	51,900	52,400	52,400	51,000	50,200	49,700	48,800	48,200	47,500	47,400	47,000	47,100	49,500
Computer and Peripheral Equipment Manufacturing	5,900	5,800	5,800	5,700	5,700	5,700	5,800	5,800	5,800	5,900	5,900	6,000	5,800
Communications Equipment Manufacturing	5,500	5,500	5,500	5,300	5,300	5,200	5,200	5,100	4,900	4,800	4,800	4,700	5,200
Semiconductor and Electronic Component Manufacturing	21,100	21,700	21,600	21,000	20,400	20,000	19,600	18,900	18,600	18,500	18,200	18,200	19,800
Electronic Instrument Manufacturing	16,300	16,300	16,500	16,200	16,200	16,300	16,000	16,000	15,900	16,100	16,100	16,100	16,200
Residual-Magnetic Media Manufacturing and Reproducing	3,100	3,100	3,000	2,800	2,600	2,500	2,200	2,400	2,300	2,100	2,000	2,100	2,500
Transportation Equipment Manufacturing	19,500	19,600	19,700	20,000	19,800	19,700	19,700	19,600	19,500	19,100	19,000	18,900	19,500
Aerospace Product and Parts Manufacturing	12,800	12,800	12,800	13,100	13,100	13,100	13,200	13,200	13,100	12,900	12,800	12,800	13,000
Residual-Other Transportation Equipment Manufacturing	6,700	6,800	6,900	6,900	6,700	6,600	6,500	6,400	6,400	6,200	6,200	6,100	6,500
Residual-Miscellaneous Manufacturing	43,200	43,600	43,600	41,900	41,600	41,400	41,000	40,700	40,500	39,600	39,200	38,900	41,300
Nondurable Goods	61,800	62,000	62,400	62,200	62,400	62,000	60,500	60,200	59,800	59,000	58,200	58,000	60,700
Food Manufacturing	8,200	8,200	8,100	7,900	8,100	8,000	8,000	8,000	7,800	7,600	7,500	7,600	7,900
Textile & Apparel	14,500	14,800	15,100	15,100	15,300	15,200	14,300	14,200	14,000	13,500	13,400	13,300	14,400
Paper Manufacturing	4,600	4,500	4,500	4,400	4,300	4,300	4,200	4,200	4,200	4,300	4,200	4,200	4,300
Printing and Related Support Activities	10,600	10,600	10,700	10,800	10,700	10,600	10,800	10,800	10,800	10,600	10,500	10,300	10,700
Residual-Beverage and Tobacco Product Mfg	23,900	23,900	24,000	24,000	24,000	23,900	23,200	23,000	23,000	23,000	22,600	22,600	23,400
Service Providing	1,114,100	1,120,100	1,127,500	1,126,400	1,129,000	1,133,700	1,114,000	1,114,400	1,120,200	1,122,900	1,129,500	1,134,800	1,123,900
Trade, Transportation and Utilities	267,400	265,200	265,500	263,400	263,400	264,000	261,900	261,400	260,500	262,600	266,300	270,600	264,400
Wholesale Trade	85,100	85,600	85,800	84,900	84,100	84,100	83,300	82,700	82,200	83,300	82,500	82,600	83,900
Merchant Wholesalers, Durable Goods	55,000	55,400	55,500	54,700	53,900	53,900	53,400	53,000	52,300	52,700	52,100	52,000	53,700
Merchant Wholesalers, Nondurable Goods	20,400	20,400	20,500	20,500	20,700	20,700	20,300	20,200	20,300	20,800	20,600	20,700	20,500
Wholesale Electronic Markets and Agents and Brokers	9,700	9,800	9,800	9,700	9,500	9,500	9,600	9,500	9,600	9,800	9,800	9,900	9,700

*March 2002 Benchmark figures.

Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Retail Trade	150,900	148,400	148,300	147,800	148,300	149,200	148,100	148,700	148,700	149,600	154,400	158,900	150,100
Motor Vehicle and Parts Dealer	18,400	18,600	18,700	18,700	18,700	18,700	18,500	18,600	18,300	18,300	18,200	18,200	18,500
Electronics and Appliance Stores	12,300	12,200	12,000	11,300	11,100	10,800	10,400	10,100	9,900	10,100	10,200	10,200	10,900
Building Material and Garden Equipment Stores	11,600	11,500	11,400	11,700	12,000	12,000	12,000	12,000	11,900	11,800	11,500	11,500	11,700
Food and Beverage Stores	23,700	23,800	24,200	24,400	24,400	24,600	24,600	24,700	25,100	25,500	25,900	26,200	24,800
Grocery Stores	20,600	20,600	20,900	21,000	21,100	21,200	21,400	21,500	21,800	22,000	22,100	22,200	21,400
Residual-Specialty Food Stores	3,100	3,200	3,300	3,400	3,300	3,400	3,200	3,200	3,300	3,500	3,800	4,000	3,400
Health and Personal Care Stores	9,300	9,400	9,500	9,300	9,400	9,600	9,400	9,500	9,400	9,600	10,000	9,700	9,500
Clothing and Clothing Accessories Stores	17,600	16,700	16,500	17,000	17,100	17,600	17,700	17,900	17,800	17,200	18,400	19,500	17,600
Sporting Goods, Hobby, Book and Music Stores	9,200	8,900	8,800	8,800	8,800	8,700	8,700	8,800	8,700	8,600	9,100	9,700	8,900
General Merchandise Stores	21,400	20,100	20,000	19,500	19,700	20,100	20,000	20,100	20,400	20,600	22,800	24,500	20,800
Residual-Miscellaneous Store Retailers	27,400	27,200	27,200	27,100	27,100	27,100	26,800	27,000	27,200	27,900	28,300	29,400	27,500
Transportation, Warehousing and Utilities	31,400	31,200	31,400	30,700	31,000	30,700	30,500	30,000	29,600	29,700	29,400	29,100	30,400
Utilities	3,500	3,500	3,500	3,400	3,500	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400
Transportation and Warehousing	27,900	27,700	27,900	27,300	27,500	27,300	27,100	26,600	26,200	26,300	26,000	25,700	27,000
Residual-Air Transportation	14,500	14,500	14,700	14,100	14,300	14,200	14,300	14,000	13,800	13,700	13,500	13,400	14,100
Couriers and Messengers	8,100	8,000	8,000	8,000	7,900	7,800	7,700	7,600	7,500	7,800	7,800	7,700	7,800
Warehousing and Storage	5,300	5,200	5,200	5,200	5,300	5,300	5,100	5,000	4,900	4,800	4,700	4,600	5,100
Information	42,700	41,900	41,900	41,800	41,500	41,300	39,300	39,000	38,700	38,100	37,900	38,200	40,200
Publishing Industries (except Internet)	12,500	12,600	12,800	12,700	12,600	12,400	12,100	12,000	12,000	11,800	11,400	11,600	12,200
Telecommunications	16,700	16,200	16,200	16,800	16,800	16,700	15,900	15,900	16,000	16,000	16,200	16,300	16,300
Wireless Telecommunications Carriers	3,500	3,500	3,500	4,000	4,000	4,000	3,600	3,600	3,700	3,700	3,800	4,000	3,700
Telecommunications Resellers	7,700	7,700	7,800	7,700	7,600	7,600	7,700	7,600	7,600	7,600	7,600	7,500	7,600
Residual-Other Telecommunications	5,500	5,000	4,900	5,100	5,200	5,100	4,600	4,700	4,700	4,700	4,800	4,800	4,900
Residual-Other Information Services	13,500	13,100	12,900	12,300	12,100	12,200	11,300	11,100	10,700	10,300	10,300	10,300	11,700
Financial Activities	103,400	104,800	105,600	104,700	105,200	106,000	105,600	106,000	106,100	107,200	107,500	108,800	105,900
Finance and Insurance	72,700	73,700	74,300	72,900	73,100	73,700	73,300	73,600	73,600	74,500	74,900	75,800	73,800
Credit Intermediation and Related Activities	34,400	35,100	35,600	34,900	35,000	35,400	35,300	35,600	35,800	36,200	36,600	37,400	35,600
Depository Credit Intermediation	14,600	14,800	14,900	14,700	14,600	14,800	15,000	15,200	15,300	15,700	15,800	16,100	15,100
Nondepository Credit Intermediation	13,900	14,100	14,300	13,900	14,000	14,300	14,100	14,300	14,400	14,400	14,500	14,900	14,300
Activities Related to Credit Intermediation	5,900	6,200	6,400	6,300	6,400	6,300	6,200	6,100	6,100	6,100	6,300	6,400	6,200
Insurance Carriers and Related	29,700	29,800	30,000	29,300	29,400	29,700	29,200	29,200	29,200	29,600	29,600	29,800	29,500
Insurance Carriers	17,400	17,400	17,500	17,100	17,200	17,400	17,200	17,300	17,300	17,400	17,400	17,500	17,300
Agencies, Brokerages, and Other Insurance Related Activities	12,300	12,400	12,500	12,200	12,200	12,300	12,000	11,900	11,900	12,200	12,200	12,300	12,200
Residual-Other Finance	8,600	8,800	8,700	8,700	8,700	8,600	8,800	8,800	8,600	8,700	8,700	8,600	8,700
Real Estate and Rental and Leasing	30,700	31,100	31,300	31,800	32,100	32,300	32,300	32,400	32,500	32,700	32,600	33,000	32,100
Real Estate	23,500	23,900	24,100	24,600	24,900	25,200	25,200	25,400	25,500	25,600	25,500	26,000	25,000
Residual-Rental and Leasing Services	7,200	7,200	7,200	7,200	7,200	7,100	7,100	7,000	7,000	7,100	7,100	7,000	7,100

*March 2002 Benchmark figures.

Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Professional and Business Services	250,100	250,000	250,900	248,200	248,700	249,300	249,500	250,100	248,300	245,700	245,000	245,500	248,400
Professional, Scientific and Technical Services	94,600	95,700	96,100	95,100	94,000	94,500	93,700	94,100	92,900	93,600	93,200	94,200	94,300
Legal Services	12,300	12,300	12,400	12,600	12,600	12,900	13,000	13,000	12,800	13,000	13,100	13,200	12,800
Accounting, Tax Preparation and Bookkeeping Services	9,900	10,300	10,500	10,500	9,800	9,700	9,600	9,600	9,600	9,700	9,700	10,300	9,900
Architectural, Engineering and Related Services	20,300	20,400	20,500	20,300	20,500	20,800	21,200	21,300	21,100	20,900	20,900	21,200	20,800
Computer Systems Design and Related Services	18,400	18,500	18,200	18,000	17,500	17,100	16,500	16,300	16,000	16,000	15,700	15,700	17,000
Management, Scientific and Technical Consulting Services	10,300	10,500	10,600	10,500	10,400	10,800	10,800	11,100	11,000	11,100	11,100	11,200	10,800
Advertising and Related Services	10,600	10,700	10,700	10,500	10,500	10,500	10,000	10,100	9,700	10,200	10,200	10,000	10,300
Residual-Other Professional, Scientific and Technical Services	12,800	13,000	13,200	12,700	12,700	12,700	12,600	12,700	12,700	12,700	12,500	12,600	12,700
Management of Companies and Enterprises	40,100	40,300	40,000	40,000	40,400	39,800	40,000	39,700	39,200	39,100	38,700	38,700	39,700
Administrative and Support and Waste Services	115,400	114,000	114,800	113,100	114,300	115,000	115,800	116,300	116,200	113,000	113,100	112,600	114,500
Administrative and Support Services	111,000	109,500	110,300	108,800	109,900	110,500	111,500	112,100	112,000	108,700	109,000	108,500	110,200
Employment Services	53,800	51,800	52,000	49,500	49,900	50,200	50,800	51,000	51,100	48,000	48,000	47,600	50,300
Investigation and Security Services	10,300	10,300	10,600	10,700	10,800	11,000	10,700	11,000	10,800	11,400	11,500	11,800	10,900
Services to Buildings and Dwellings	27,300	27,600	27,900	28,400	28,900	29,300	28,800	28,900	28,900	28,300	28,300	28,000	28,400
Residual-Other Support Services	19,600	19,800	19,800	20,200	20,300	20,000	21,200	21,200	21,200	21,000	21,200	21,100	20,600
Waste Management and Remediation Services	4,400	4,500	4,500	4,300	4,400	4,500	4,300	4,200	4,200	4,300	4,100	4,100	4,300
Educational and Health Services	111,200	112,800	114,000	114,400	115,100	114,700	113,500	113,300	115,000	116,400	117,100	117,800	114,600
Educational Services	16,100	16,700	17,300	16,600	17,000	16,400	15,000	14,200	15,100	15,900	15,900	15,600	16,000
Colleges, Universities and Professional Schools	4,300	4,600	5,100	4,400	4,600	4,100	3,400	3,000	3,700	4,000	4,000	4,100	4,100
Residual-Elementary and Secondary Schools	11,800	12,100	12,200	12,200	12,400	12,300	11,600	11,200	11,400	11,900	11,900	11,500	11,900
Health Care and Social Assistance	95,100	96,100	96,700	97,800	98,100	98,300	98,500	99,100	99,900	100,500	101,200	102,200	98,600
Ambulatory Health Care Services	43,800	44,200	44,400	44,900	45,000	45,500	45,200	45,600	45,800	46,200	46,600	47,200	45,400
Hospitals	25,400	25,600	25,700	25,900	26,000	25,900	26,500	26,600	26,700	27,000	27,100	27,100	26,300
Nursing and Residential Care Facilities	15,000	15,300	15,300	15,700	15,700	15,600	15,700	15,800	16,000	15,800	15,800	15,900	15,600
Social Assistance	10,900	11,000	11,300	11,300	11,400	11,300	11,100	11,100	11,400	11,500	11,700	12,000	11,300
Leisure and Hospitality	147,800	149,700	151,500	155,400	155,600	157,300	156,700	158,700	156,900	153,900	154,500	153,700	154,300
Arts, Entertainment, and Recreation	34,800	35,000	35,600	37,500	36,800	37,800	38,000	40,000	39,400	37,300	38,100	37,900	37,400
Amusement, Gambling, and Recreation	30,600	30,700	31,200	32,700	32,000	33,100	33,100	35,200	34,600	32,600	33,500	33,300	32,700
Residual-Performing Arts, Spectator Sports	4,200	4,300	4,400	4,800	4,800	4,700	4,900	4,800	4,800	4,700	4,600	4,600	4,600
Accommodation and Food Service	113,000	114,700	115,900	117,900	118,800	119,500	118,700	118,700	117,500	116,600	116,400	115,800	117,000
Accommodation	18,900	19,100	19,400	19,800	19,800	20,000	19,300	19,200	18,700	18,500	18,500	18,300	19,100
Food Services and Drinking Places	94,100	95,600	96,500	98,100	99,000	99,500	99,400	99,500	98,800	98,100	97,900	97,500	97,900
Full-Service Restaurants	46,200	46,800	47,200	48,000	48,300	48,300	48,300	48,500	48,100	47,600	47,800	47,800	47,700
Limited-Service Eating Places	43,600	44,300	44,700	43,700	44,000	44,200	44,600	44,400	43,900	44,100	43,700	43,300	44,000
Residual-Special Food Services	4,300	4,500	4,600	6,400	6,700	7,000	6,500	6,600	6,800	6,400	6,400	6,400	6,100
Other Services	44,100	44,500	45,300	45,400	45,700	46,100	45,500	45,600	45,300	45,100	45,000	44,600	45,200

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Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Government	147,400	151,200	152,800	153,100	153,800	155,000	142,000	140,300	149,400	153,900	156,200	155,600	150,900
Federal Government	12,300	12,300	12,300	12,000	11,900	11,900	11,900	11,900	12,000	12,000	12,000	12,000	12,000
Department of Defense	1,400	1,400	1,400	1,400	1,400	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300
Other Federal Government	10,900	10,900	10,900	10,600	10,500	10,600	10,600	10,600	10,700	10,700	10,700	10,700	10,700
State and Local Government	135,100	138,900	140,500	141,100	141,900	143,100	130,100	128,400	137,400	141,900	144,200	143,600	138,900
State Government	25,100	25,200	25,600	25,600	25,700	25,900	24,500	24,600	25,700	26,200	26,200	26,200	25,500
State Government Education	15,200	15,200	15,600	15,500	15,500	15,600	14,200	14,300	15,300	16,000	16,100	16,100	15,400
Other State Government	9,900	10,000	10,000	10,100	10,200	10,300	10,300	10,300	10,400	10,200	10,100	10,100	10,200
Local Government	110,000	113,700	114,900	115,500	116,200	117,200	105,600	103,800	111,700	115,700	118,000	117,400	113,300
Local Government Education	71,400	74,800	75,600	76,100	76,500	75,600	64,000	62,000	71,400	75,800	78,100	77,600	73,200
County	18,600	18,800	18,800	18,900	18,900	19,000	19,100	18,900	18,900	19,000	18,900	18,900	18,900
City	16,400	16,500	16,800	16,800	17,100	18,900	18,800	19,100	17,600	17,300	17,200	17,300	17,500
Other Local Government	3,600	3,600	3,700	3,700	3,700	3,700	3,700	3,800	3,800	3,600	3,800	3,600	3,700

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Orange County
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Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	1,387,400	1,396,200	1,407,700	1,409,800	1,419,200	1,424,200	1,398,900	1,401,600	1,411,000	1,421,200	1,425,700	1,425,800	1,410,700
Total Farm	5,900	7,000	8,000	8,800	8,800	8,400	7,500	6,900	7,100	8,700	7,900	7,300	7,700
Total Nonfarm	1,381,500	1,389,200	1,399,700	1,401,000	1,410,400	1,415,800	1,391,400	1,394,700	1,403,900	1,412,500	1,417,800	1,418,500	1,403,000
Total Private	1,227,600	1,232,400	1,240,600	1,242,200	1,250,600	1,257,100	1,246,200	1,252,200	1,252,700	1,254,700	1,258,900	1,260,100	1,247,900
Goods Producing	270,700	271,200	272,200	271,300	272,700	272,900	267,800	269,400	268,400	267,500	267,200	265,900	269,800
Natural Resources and Mining	600	600	600	500	500	500	500	500	500	500	500	500	500
Construction	76,000	76,600	77,200	77,400	78,800	79,300	78,700	81,300	81,200	81,100	81,700	81,100	79,200
Construction of Buildings	15,800	16,300	16,500	16,300	16,500	16,600	16,300	16,700	16,600	16,600	16,700	17,000	16,500
Heavy and Civil Engineering Construction	6,800	6,800	6,800	6,900	7,100	7,100	6,900	7,200	7,200	7,200	7,200	7,100	7,000
Specialty Trade Contractors	53,400	53,500	53,900	54,200	55,200	55,600	55,500	57,400	57,400	57,300	57,800	57,000	56,700
Manufacturing	194,100	194,000	194,400	193,400	193,400	193,100	188,600	187,600	186,700	185,900	185,000	184,300	190,000
Durable Goods	137,300	137,000	136,900	135,700	135,600	135,200	131,500	130,700	129,900	129,400	128,500	128,300	133,000
Fabricated Metal Product Mfg	23,400	23,300	23,200	23,300	23,200	23,200	22,400	22,400	22,200	22,100	22,000	21,900	22,700
Machinery Manufacturing	11,700	11,600	11,600	11,700	11,700	11,600	11,300	11,200	11,100	11,100	11,000	10,900	11,400
Computer and Electronic Product Manufacturing	46,300	46,200	46,100	44,800	44,600	44,300	42,600	42,100	41,700	41,200	40,600	40,600	43,400
Computer and Peripheral Equipment Manufacturing	5,800	5,800	5,700	5,600	5,500	5,600	5,400	5,300	5,300	5,200	5,100	5,100	5,500
Communications Equipment Manufacturing	4,600	4,600	4,600	4,200	4,100	4,100	4,000	3,800	3,700	3,700	3,600	3,600	4,100
Semiconductor and Electronic Component Manufacturing	18,100	18,000	17,900	17,600	17,500	17,300	15,900	15,700	15,500	15,400	15,100	15,100	16,600
Electronic Instrument Manufacturing	15,600	15,600	15,600	15,200	15,300	15,200	15,200	15,000	15,000	14,800	14,700	14,700	15,200
Residual-Magnetic Media Manufacturing and Reproducing	2,200	2,200	2,300	2,200	2,200	2,100	2,100	2,300	2,200	2,100	2,100	2,100	2,200
Transportation Equipment Manufacturing	18,100	18,100	18,300	17,800	17,800	17,800	17,900	17,900	17,800	17,700	17,800	17,700	17,900
Aerospace Product and Parts Manufacturing	12,000	11,900	11,900	11,500	11,500	11,500	11,500	11,500	11,500	11,400	11,400	11,500	11,600
Residual-Other Transportation Equipment Manufacturing	6,100	6,200	6,400	6,300	6,300	6,300	6,400	6,400	6,300	6,300	6,400	6,200	6,300
Residual-Miscellaneous Manufacturing	37,800	37,800	37,700	38,100	38,300	38,300	37,300	37,100	37,100	37,300	37,100	37,200	37,600
Nondurable Goods	56,800	57,000	57,500	57,700	57,800	57,900	57,100	56,900	56,800	56,500	56,500	56,000	57,000
Food Manufacturing	7,300	7,300	7,400	7,700	7,700	7,700	7,600	7,600	7,600	7,800	7,800	7,800	7,600
Textile & Apparel	13,100	13,300	13,400	13,400	13,500	13,500	13,000	13,000	12,900	12,700	12,800	12,700	13,100
Paper Manufacturing	4,200	4,200	4,200	4,200	4,100	4,200	4,200	4,100	4,200	4,200	4,200	4,300	4,200
Printing and Related Support Activities	10,100	10,200	10,200	10,200	10,200	10,100	10,100	10,100	10,100	10,000	10,100	9,900	10,100
Residual-Beverage and Tobacco Product Mfg	22,100	22,000	22,300	22,200	22,300	22,400	22,200	22,100	22,000	21,800	21,600	21,300	22,000
Service Providing	1,110,800	1,118,000	1,127,500	1,129,700	1,137,700	1,142,900	1,123,600	1,125,300	1,135,500	1,145,000	1,150,600	1,152,600	1,133,300
Trade, Transportation and Utilities	260,100	258,400	259,000	259,400	261,100	263,700	260,200	261,200	261,600	262,400	267,600	272,300	262,300
Wholesale Trade	81,400	81,900	82,100	82,600	83,000	83,000	80,800	80,600	80,200	80,000	80,300	80,100	81,300
Merchant Wholesalers, Durable Goods	51,500	51,600	51,700	52,000	51,800	51,900	50,100	50,000	49,500	49,500	49,600	49,300	50,700
Merchant Wholesalers, Nondurable Goods	20,200	20,500	20,500	20,600	21,200	21,000	20,700	20,500	20,500	20,500	20,700	20,800	20,600
Wholesale Electronic Markets and Agents and Brokers	9,700	9,800	9,900	10,000	10,000	10,100	10,000	10,100	10,100	10,000	10,000	10,000	10,000

*March 2002 Benchmark figures.

Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Retail Trade	149,800	147,600	148,100	147,700	149,000	151,500	151,200	152,400	153,300	154,400	159,500	164,500	152,400
Motor Vehicle and Parts Dealer	18,000	18,300	18,600	18,600	18,800	19,000	19,100	19,100	19,100	19,200	19,300	19,200	18,900
Electronics and Appliance Stores	9,900	9,900	9,800	9,700	9,600	9,600	9,200	9,100	9,200	9,400	9,800	10,100	9,600
Building Material and Garden Equipment Stores	11,200	10,800	11,400	11,300	11,400	12,000	11,500	11,500	12,100	12,000	11,900	12,000	11,600
Food and Beverage Stores	25,500	25,800	25,800	25,500	25,500	25,400	26,700	27,500	27,200	27,500	27,900	27,700	26,500
Grocery Stores	22,100	22,200	22,300	22,000	22,000	22,000	23,300	24,100	23,700	23,900	24,000	23,800	23,000
Residual-Specialty Food Stores	3,400	3,600	3,500	3,500	3,500	3,400	3,400	3,400	3,500	3,600	3,900	3,900	3,600
Health and Personal Care Stores	9,500	9,700	9,400	9,600	9,800	10,200	9,800	9,800	9,900	9,700	9,700	10,000	9,800
Clothing and Clothing Accessories Stores	18,200	17,200	17,500	17,300	17,500	18,300	18,500	18,300	18,200	18,400	19,100	20,100	18,200
Sporting Goods, Hobby, Book and Music Stores	9,000	8,700	8,500	8,200	8,100	8,200	8,000	8,200	8,300	8,200	8,700	9,000	8,400
General Merchandise Stores	21,400	20,200	20,200	20,300	20,900	21,200	21,200	21,200	21,200	21,800	24,400	25,800	21,700
Residual-Miscellaneous Store Retailers	27,100	27,000	26,900	27,200	27,400	27,600	27,200	27,700	28,100	28,200	28,700	30,600	27,800
Transportation, Warehousing and Utilities	28,900	28,900	28,800	29,100	29,100	29,200	28,200	28,200	28,100	28,000	27,800	27,700	28,500
Utilities	3,400	3,600	3,500	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700
Transportation and Warehousing	25,500	25,300	25,300	25,400	25,400	25,500	24,500	24,500	24,400	24,300	24,100	24,000	24,800
Residual-Air Transportation	13,600	13,600	13,600	13,900	13,900	14,000	13,400	13,400	13,400	13,300	13,200	13,000	13,500
Couriers and Messengers	7,400	7,300	7,300	7,300	7,300	7,300	7,100	7,000	7,000	7,100	7,000	7,100	7,200
Warehousing and Storage	4,500	4,400	4,400	4,200	4,200	4,200	4,000	4,100	4,000	3,900	3,900	3,900	4,100
Information	37,400	36,800	36,800	36,900	36,700	37,000	35,900	35,600	35,100	34,900	34,500	34,200	36,000
Publishing Industries (except Internet)	10,800	10,800	10,900	10,800	10,800	10,900	10,600	10,400	10,400	10,400	10,300	10,300	10,600
Telecommunications	16,400	15,900	15,500	15,900	15,700	15,700	15,200	15,000	14,800	14,900	14,700	14,500	15,400
Wireless Telecommunications Carriers	3,800	3,800	3,700	3,900	3,800	3,700	3,500	3,500	3,400	3,400	3,400	3,400	3,600
Telecommunications Resellers	7,400	7,200	7,200	7,200	7,200	7,400	6,900	6,900	6,900	6,900	6,900	6,800	7,100
Residual-Other Telecommunications	5,200	4,900	4,600	4,800	4,700	4,600	4,800	4,600	4,500	4,600	4,400	4,300	4,700
Residual-Other Information Services	10,200	10,100	10,400	10,200	10,200	10,400	10,100	10,200	9,900	9,600	9,500	9,400	10,000
Financial Activities	107,900	108,600	108,700	109,300	109,800	110,300	110,600	111,300	111,500	112,200	113,000	113,400	110,500
Finance and Insurance	75,600	76,300	76,200	76,400	76,500	76,600	76,600	77,400	77,700	78,200	78,500	78,600	77,100
Credit Intermediation and Related Activities	37,100	37,700	37,900	38,200	38,300	38,400	38,400	39,100	39,400	39,800	40,000	40,200	38,700
Depository Credit Intermediation	16,000	16,200	16,200	16,100	16,100	16,100	16,100	16,200	16,100	16,200	16,300	16,400	16,200
Nondepository Credit Intermediation	14,700	15,100	15,200	15,600	15,700	16,000	15,900	16,400	16,600	16,800	16,900	17,000	16,000
Activities Related to Credit Intermediation	6,400	6,400	6,500	6,500	6,500	6,300	6,400	6,500	6,700	6,800	6,800	6,800	6,600
Insurance Carriers and Related	29,300	29,400	29,000	28,900	28,800	28,900	29,200	29,300	29,300	29,400	29,400	29,300	29,200
Insurance Carriers	17,300	17,300	16,800	16,600	16,500	16,500	16,800	16,900	17,000	17,000	17,100	17,000	16,900
Agencies, Brokerages, and Other Insurance Related Activities	12,000	12,100	12,200	12,300	12,300	12,400	12,400	12,400	12,300	12,400	12,300	12,300	12,300
Residual-Other Finance	9,200	9,200	9,300	9,300	9,400	9,300	9,000	9,000	9,000	9,000	9,100	9,100	9,200
Real Estate and Rental and Leasing	32,300	32,300	32,500	32,900	33,300	33,700	34,000	33,900	33,800	34,000	34,500	34,800	33,500
Real Estate	25,900	25,900	26,100	26,500	26,700	27,100	27,500	27,400	27,300	27,500	27,800	28,000	27,000
Residual-Rental and Leasing Services	6,400	6,400	6,400	6,400	6,600	6,600	6,500	6,500	6,500	6,500	6,700	6,800	6,500

*March 2002 Benchmark figures.

Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Professional and Business Services	243,600	244,700	247,400	245,700	247,900	249,600	248,300	250,300	252,100	253,800	254,100	253,300	249,200
Professional, Scientific and Technical Services	93,200	94,100	94,800	94,500	94,000	93,800	92,100	92,800	92,600	93,300	92,600	92,700	93,400
Legal Services	12,800	12,900	13,100	13,200	13,300	13,400	13,400	13,400	13,300	13,400	13,400	13,300	13,200
Accounting, Tax Preparation and Bookkeeping Services	10,600	11,000	11,400	11,100	10,400	10,400	9,500	9,400	9,400	9,600	9,500	9,900	10,200
Architectural, Engineering and Related Services	20,900	21,000	21,000	20,700	20,800	20,700	20,600	20,500	20,400	20,500	20,400	20,500	20,700
Computer Systems Design and Related Services	15,300	15,300	15,200	15,200	15,000	15,000	14,500	14,700	14,700	14,700	14,600	14,400	14,900
Management, Scientific and Technical Consulting Services	11,100	11,300	11,300	11,600	11,800	11,900	12,000	12,300	12,200	12,100	12,000	12,100	11,800
Advertising and Related Services	10,200	10,400	10,300	10,200	10,200	10,100	9,800	9,900	10,000	10,100	9,900	9,900	10,100
Residual-Other Professional, Scientific and Technical Services	12,300	12,200	12,500	12,500	12,500	12,300	12,300	12,600	12,600	12,900	12,800	12,600	12,500
Management of Companies and Enterprises	37,700	37,500	37,400	35,600	35,900	35,600	36,200	36,300	36,100	36,000	35,600	35,300	36,300
Administrative and Support and Waste Services	112,700	113,100	115,200	115,600	118,000	120,200	120,000	121,200	123,400	124,500	125,900	125,300	119,600
Administrative and Support Services	108,900	109,200	111,300	111,900	114,300	116,500	116,400	117,700	119,800	120,900	122,300	121,700	115,900
Employment Services	48,100	49,000	50,600	51,600	53,200	55,300	55,200	56,900	59,100	59,600	61,200	60,700	55,600
Investigation and Security Services	11,800	11,100	11,300	10,500	10,600	10,600	10,900	11,000	10,900	10,800	11,100	11,300	11,000
Services to Buildings and Dwellings	27,000	26,900	26,900	26,900	27,200	27,200	27,300	27,500	27,700	28,000	27,800	27,600	27,300
Residual-Other Support Services	22,000	22,200	22,500	22,900	23,300	23,400	23,000	22,300	22,100	22,500	22,200	22,100	22,500
Waste Management and Remediation Services	3,800	3,900	3,900	3,700	3,700	3,700	3,600	3,500	3,600	3,600	3,600	3,600	3,700
Educational and Health Services	115,300	117,100	117,900	118,500	118,600	118,800	116,100	116,500	117,900	118,400	119,400	119,300	117,800
Educational Services	15,200	16,100	16,300	16,300	16,300	16,300	15,300	14,900	16,000	16,600	16,800	16,400	16,000
Colleges, Universities and Professional Schools	3,500	4,100	4,100	4,100	4,100	4,000	3,800	3,500	4,200	4,500	4,700	4,600	4,100
Residual-Elementary and Secondary Schools	11,700	12,000	12,200	12,200	12,200	12,300	11,500	11,400	11,800	12,100	12,100	11,800	11,900
Health Care and Social Assistance	100,100	101,000	101,600	102,200	102,300	102,500	100,800	101,600	101,900	101,800	102,600	102,900	101,800
Ambulatory Health Care Services	45,700	46,400	46,800	47,500	47,600	48,000	47,300	47,600	47,700	47,500	48,100	48,300	47,400
Hospitals	27,300	27,500	27,700	27,500	27,400	27,600	27,700	27,800	27,800	27,900	27,800	27,800	27,700
Nursing and Residential Care Facilities	15,600	15,600	15,700	15,400	15,500	15,400	14,700	15,000	15,000	15,100	15,300	15,300	15,300
Social Assistance	11,500	11,500	11,400	11,800	11,800	11,500	11,100	11,200	11,400	11,300	11,400	11,500	11,500
Leisure and Hospitality	148,800	151,100	153,800	155,800	158,000	159,100	160,500	160,700	159,100	158,300	156,300	155,800	156,400
Arts, Entertainment, and Recreation	34,900	35,700	37,400	37,000	37,400	37,600	39,600	39,500	38,500	38,800	37,600	37,500	37,600
Amusement, Gambling, and Recreation	30,600	31,300	32,900	31,700	32,400	32,500	34,300	34,400	33,700	34,100	32,800	32,700	32,600
Residual-Performing Arts, Spectator Sports	4,300	4,400	4,500	5,300	5,000	5,100	5,300	5,100	4,800	4,700	4,800	4,800	4,800
Accommodation and Food Service	113,900	115,400	116,400	118,800	120,600	121,500	120,900	121,200	120,600	119,500	118,700	118,300	118,800
Accommodation	18,100	18,400	18,800	18,800	18,900	19,000	19,400	19,400	19,200	18,800	18,900	19,000	18,900
Food Services and Drinking Places	95,800	97,000	97,600	100,000	101,700	102,500	101,500	101,800	101,400	100,700	99,800	99,300	99,900
Full-Service Restaurants	47,500	48,200	48,600	49,100	49,900	50,300	50,900	51,200	50,800	50,400	50,200	50,100	49,800
Limited-Service Eating Places	43,000	43,500	43,500	44,900	45,400	45,800	44,500	44,300	44,200	43,900	43,400	42,900	44,100
Residual-Special Food Services	5,300	5,300	5,500	6,000	6,400	6,400	6,100	6,300	6,400	6,400	6,200	6,300	6,100
Other Services	43,800	44,500	44,800	45,300	45,800	45,700	46,800	47,200	47,000	47,200	46,800	45,900	45,900

*March 2002 Benchmark figures.

Orange County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Government	153,900	156,800	159,100	158,800	159,800	158,700	145,200	142,500	151,200	157,800	158,900	158,400	155,100
Federal Government	11,800	11,700	11,900	11,700	11,600	11,700	11,600	11,600	11,600	11,700	11,800	11,900	11,700
Department of Defense	1,300	1,200	1,300	1,200	1,200	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300
Other Federal Government	10,500	10,500	10,600	10,500	10,400	10,400	10,300	10,300	10,300	10,400	10,500	10,600	10,400
State and Local Government	142,100	145,100	147,200	147,100	148,200	147,000	133,600	130,900	139,600	146,100	147,100	146,500	143,400
State Government	25,900	26,200	26,800	26,800	26,800	27,000	25,400	25,500	25,900	26,800	26,700	26,700	26,400
State Government Education	15,800	16,100	16,500	16,400	16,400	16,500	14,900	15,000	15,400	16,500	16,700	16,700	16,100
Other State Government	10,100	10,100	10,300	10,400	10,400	10,500	10,500	10,500	10,500	10,300	10,000	10,000	10,300
Local Government	116,200	118,900	120,400	120,300	121,400	120,000	108,200	105,400	113,700	119,300	120,400	119,800	117,000
Local Government Education	75,700	78,100	79,600	79,500	80,400	78,600	65,900	63,400	72,500	78,600	79,700	79,000	75,900
County	19,100	19,200	19,200	19,300	19,400	19,400	19,700	19,500	19,400	19,500	19,600	19,500	19,400
City	17,300	17,500	17,700	17,600	17,600	18,000	18,600	18,500	17,600	17,200	17,100	17,200	17,700
Other Local Government	4,100	4,100	3,900	3,900	4,000	4,000	4,000	4,000	4,200	4,000	4,000	4,100	4,000

*March 2002 Benchmark figures.

Projections & Planning Information

Module D:

Projections

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INTRODUCTION

to Industry and Occupational Projections

Using Projections Data

The projections contained in these tables provide information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends. However, before reaching any final conclusions, the user should consider the following:

Remember that these data are estimates. They were developed based on the assumption that historical trends will continue into the future. However, events may occur during the seven-year projection period that are impossible to predict. Events such as military base closures, major business closures or openings and natural disasters can all have a major impact on employment levels.

Do not use these projections as your sole source of information. Use other, more recent sources of local economic data to corroborate the projection data. This information may be found in other documents such as those published by the Employment Development Department's Labor Market Information Division, local chambers of commerce, or local economic development agencies.

Projections employment data are annual averages. These averages may not accurately portray seasonal occupations or industries such as those found in agriculture, retail sales, recreation, and construction.

Employment levels stated reflect workers who are covered by the Unemployment Insurance program. As a result, industries that are made up largely of individuals who are

self-employed will be understated. Examples include industries such as real estate, hair salons, and bookkeeping. Occupations such as dental hygienists and consultants will also show an understated level of employment.

Industry Projections

Projections by industry forecast the anticipated changes within an industry over time. Forecasts for each county are based on the county's past employment trends and are refined by a review of current economic developments within the local community. The effect of State-level economic trends are also considered.

Industry employment projections utilize industry employment data from both the Current Employment Statistics (CES) program, and the Employment Payroll (ES202) program. There is a certain amount of error built into both systems. These errors may include employers classified in the wrong industry, incorrect employment levels reported by the employer and employment reported in the wrong county.

If an industry shows a decrease in future employment, it may be that only one or two industry components are experiencing the decline and other components are still expected to hire new workers. It is best to investigate all sectors of the industry. For example, retail trade has several components: building materials and garden supplies; general merchandise stores; food stores, automotive dealers and service stations; and apparel and accessory stores, to name a few.

Geographical differences account for differing employment opportunities. If an individual is considering relocating from one area of the state to another, the size of the industry and its expected growth level need to be kept in mind. Small rural counties will not have the same employment possibilities as do the larger metropolitan areas.

Knowing Future Industry Trends:

- ✓ helps economic development professionals foster compatible growth and promote the county's strengths,
- ✓ helps local government agencies, non-profit agencies, researchers and other interested parties formulate plans and proposals,
- ✓ helps people looking for work and those doing counseling and/or job placement to learn about employment opportunities in various industries.

Occupational Projections

Projections by occupation estimate the changes in occupational employment over time resulting from two principal causes - growth and technology. Changes in the number, size and type of employers within a given geographical area will affect the demand for certain occupations. Also, technological advances or changes in laws or regulations may affect the occupational mix.

County occupational projections are prepared for all but the smaller counties which are grouped together to produce projections at the multicounty level.

General changes in the work place affect some occupations. Jobs may be created, eliminated or consolidated because of restructuring or regulations affecting the requirements for the job. For example, personal computers and word processing programs eliminated many typist jobs, but created a need for word processors.

An occupational title does not give details about the occupation. An individual starting a career search may want to look at the various occupations in this module, choose any that are of interest and then do further research on the occupation or occupations of choice.

There are other sources of information (listed below) about specific occupations and the details, such as skills and educational requirements, hourly earnings, benefits, working conditions and advancement opportunities.

Industry staffing patterns used for the projections process are developed from the annual OES Survey of employers. The survey utilizes a sample of the entire universe of Unemployment Insurance (UI) covered employers. Because it is a survey, it is important that the following points be considered:

- ✓ There is inherent statistical error as a result of both the sampling process and the level of employer response to the survey mailings.
- ✓ The OES staffing patterns may contain errors because of the problems employers may have in completing the survey. These errors typically include misunderstanding of survey instructions, misinterpretation of occupational definitions and/or titles contained on the forms, and clerical errors in filling out the forms.
- ✓ The employer's response to the survey may reflect conditions that are atypical. The employer may be experiencing a temporary shutdown, seasonal high or low employment, or a temporary increase in demand for his/her product or service.

Occupational projections data indicate the major local occupations and which occupations are likely to offer the greatest number of job opportunities. When possible, the user should focus on larger groups rather than specific occupations. Some occupations may not appear in published tables because of the

very small number of people employed in that area or because of confidentiality concerns.

Although an occupation may be stable and is not expected to grow, it does not mean that there are no opportunities for employment. All occupations have turnover opportunities - individuals change or leave their jobs permanently for varying reasons. High turnover, especially in occupations that require lower-skill levels, would mean that there are frequent openings even though there is little or no growth.

The occupational projections data are prepared for employment and training planners, vocational educators, and others who need information on future employment by occupation. The outlook information can be used in making occupational training decisions and career choices. Employers considering expansion or relocation may find the data helpful in understanding the occupational composition and trends in a county or geographic region.

Additional Sources of Information

For additional information on economic conditions in a particular county, you may contact the Labor Market Information Division's area consultants who are located in the community and are knowledgeable about the economic activities within the counties that they serve, and the local One Stop locations where additional publications on labor market information may be obtained. Other sources of information include:

- Wage And Salary Employment by Industry
- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Occupational Guides
- Bureau of Labor Statistics, Dictionary of Occupational Titles

- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Standard Industrial Classification Manual

Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

<http://www.calmis.ca.gov>

For technical assistance or additional information about the Employment Development Department's Internet website, please call (916) 262-2162 and select option #2. Customers may also call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

Description Of Industry and Occupational Tables

Employment includes nonagricultural wage and salary workers except for self-employed persons, unpaid family workers, private household workers, and those involved in labor-management trade disputes. For the Federal government sector, employment includes all civilian employees regardless of the activities in which they are engaged.

An **industry division** refers to a distinct group of private, public, or nonprofit enterprises engaged in producing goods or providing services. With the exception of government, industries are classified by the Standard Industrial Classification (SIC) system. Industries are grouped into ten major categories, according to the economic activity involved. The ten major categories or industry divisions are:

Agriculture, Forestry, and Fishing (SIC 01-09) includes establishments primarily engaged in agricultural production, forestry, commercial fishing, hunting and trapping, and related services.

Mining (SIC 10-14) includes all establishments involved in the extraction of minerals, crude petroleum, and natural gas. It includes quarrying, well operations, milling, and other related activities.

Construction (SIC 15-17) includes establishments engaged in contract construction. This includes new work, additions, alterations, and repairs performed by general and special trade contractors.

Manufacturing (SIC 20-39) includes establishments which are usually described as plants, factories, or mills that are engaged in producing or processing non-durable or durable goods. These characteristically use power-driven machines and material-handling equipment.

Transportation and Public Utilities (SIC 40-49) includes enterprises engaged in passenger and freight transportation by surface, water, and air and warehousing and other transportation services. It also includes the communications complex of telephone, telegraph, radio, and television; and the utilities providing gas, electric, and sanitary services.

Wholesale Trade (SIC 50-51) includes establishments involved in the selling of merchandise to retailers; to industrial, commercial, farm, construction contractors, or professional business users; or to other wholesalers.

Retail Trade (SIC 52-59) includes establishments involved in the selling of merchandise for personal or household consumption and rendering services incidental to the sale of goods.

Finance, Insurance, and Real Estate (SIC 60-67) includes banks, savings and loan institutions, and security and commodity brokerages, insurance agencies and carriers, real estate sales and management offices, and rental and planning agencies.

Services (SIC 70-89) includes establishments such as hotels, laundries, auto repair shops, theaters, legal services, advertising services, private schools and hospitals, and nonprofit organizations which are engaged in rendering a variety of services to individuals and businesses.

Government includes the legislative, judicial, administrative, and regulatory activities of federal, state, local and international governments. It also includes federal, state, and local government hospitals and education.

Industry Tables

Employment By Major Industry - Table 1

This table shows 1997 estimated employment and 2004 projected employment along with the percentage of total employment for each major industry division.

Employment By Industry - Table 2

This table shows employment and projected employment by industry. The number of jobs is estimated for 1997 and projected for 2004. The column entitled "SIC" lists the Standard Industrial Classification code for each industry grouping. The column labeled "Absolute Change" provides the projected change in employment between 1997 and 2004. The "Percent Change" column is the growth rate over the seven-year period.

Occupational groups are groups of occupations with similar skills and/or educational requirements, based on the OES groupings. There are over 800 detailed occupations and close to 100 summary level occupations in the Occupational Employment Statistics (OES) classification system. The seven occupational groups are listed below.

Managers And Administrative occupations are top and mid-level managers, administrators, and executives. Primary duties are policy making, planning, staffing, directing or controlling the activities of a firm. First-line supervisors are excluded from this category.

Professional, Paraprofessional, And Technical occupations are concerned with theoretical or practical aspects of such fields as science, art, education, health, law, and business relations. Professional occupations generally require long and intensive preparation, while technical occupations work closely with professional personnel and are required to have a combination of basic scientific knowledge and specialized education.

Sales And Related occupations are concerned with influencing customers to buy commodities, services, real estate, and investments.

Clerical And Administrative Support occupations prepare, transcribe, systematize, and preserve written communications and records; distribute information; and collect accounts.

Service Occupations prepare and serve food and drink; provide lodging and related services; provide grooming, cosmetic, and other personal and health care services; maintain and clean clothing and other wearing apparel; provide protection for people and property; attend to the comfort or requests of patrons of amusement and recreation facilities; and perform cleaning and maintenance services in the interiors of buildings.

Agricultural, Forestry, And Fishing occupations in this report include only forestry workers, nursery workers, animal caretakers, and gardeners and groundskeepers.

Production, Construction, Operating, Maintenance, and Material Handling are skilled, semi-skilled, and unskilled workers performing machine and manual tasks involving production, construction, operating maintenance, repair, and material handling operations.

Occupational Tables

Employment By Major Occupational Group - Table 3

This table shows 1997 and 2004 employment and projected employment for the seven major occupational groups. The "Percent of Total" column displays the percentage of total employment each major occupational group represents. The "Absolute Change" column gives the number of job opportunities resulting from the creation of new jobs. "Percent Change" shows the percentage change for each occupational group.

Occupations With The Greatest Absolute Job Growth - Table 4

This table lists the 50 occupations that are projected to register the largest absolute change between 1997 and 2004. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new jobs over the 1997-2004 period.

Occupations With The Fastest Job Growth - Table 5

This table lists the 50 occupations with the greatest projected percentage increases. It provides a different perspective to future occupational employment changes. It is important to note that some of these occupations are increasing rapidly from relatively small employment levels and are not necessarily found in Table 4.

Occupational Employment Projections - Table 6

This table provides occupational detail for up to 800 occupations. Annual average employment in each occupation is shown for 1997 and 2004. The column headed "Absolute Change" presents the number of job opportunities resulting from the creation of new jobs. The "Percent Change" column shows the percentage change for each occupation. The next column, "Openings Due to Separations", shows job opportunities that are created by workers leaving the occupation. Also included in this table is the Occupational Employment Statistics (OES) codes column. It shows the distinctive California OES code for each occupational title.

Each occupation in Table 6 is identified by a line number. The Alphabetical Index of Occupations section found in this module may be used to locate individual occupations in the detailed

table. The same line numbers are used in all area reports for 1997-2004. Line numbers may be different for other time periods. Not all line numbers appear in all counties; missing line numbers indicate occupations with no employment or employment below the area's cutoff point for publishing.

Occupations With The Most Openings - Table 7 (Growth Plus Separations)

This table lists the occupations that are projected to register the largest absolute growth and separations between 1997 and 2004. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new job openings over the 1997-2004 period.

Occupations With Projected Decline - Table 8

This table lists the occupations that are projected to decline over the 1997-2004 time period. Declining employment is a sign that the occupation has no growth. However, turnover may result in some job opportunities.

Training Level Definitions

Occupational training and education classifications were developed by the Bureau of Labor Statistics to improve on prior classification systems that did not distinguish between occupations with comparable educational requirements. For example, neither carpenters nor laborers require formal education beyond high school, but the complexity of the work and the training time required results in carpenters being placed in the long-term on-the-job training category and laborers placed in the short-term on-the-job training category. Of course there is more than one way to qualify for a job. In this classification system, the education and training required reflects the manner in which most workers become proficient in that occupation and the preferences of most employers.

1. First professional degree. Occupations that require at least two years of full-time academic study beyond a bachelor's degree (for example, law, medicine, dentistry and clergy).

2. Doctoral degree. Occupations that require at least three years of full-time academic study beyond a bachelor's degree culminating in a doctoral degree.

3. Master's degree. Occupations that require the completion of a master's degree program which is usually one to two years beyond a bachelor's degree.

4. Bachelor's or higher and some work experience. Occupations that generally require work experience in an occupation requiring a bachelor's or higher degree. Most occupations in this category are managerial occupations that require work experience in a related non-managerial occupation.

5. Bachelor's degree. Occupations that require the completion of at least 4 but not more than 5 years of full-time academic study beyond high school resulting in a Bachelor's degree.

6. Associate degree. Occupations that require the completion of at least 2 years of full-time academic study beyond high school.

7. Post-secondary vocational education. Occupations that require completion of vocational school training.

8. Work experience. Occupations that require skills obtained through work experience in a related occupation.

9. Long-term on-the-job training. Occupations that require more than 12 months of on-the-job training or combined work experience and formal classroom instruction for workers to develop the skills needed for average job performance.

10. Moderate-term on-the-job training. Occupations in which workers can develop average job performance after 1 to 12 months of combined on-the-job experience and informal training.

11. Short-term on-the-job-training. Occupations in which workers can develop skills needed after a short demonstration or up to one month of on-the-job experience and instruction.

Industry Trends and Outlook

Orange County is projected to continue to experience employment growth between 1999 and 2006, as the region's economy expands and diversifies. The total number of nonfarm wage and salary jobs is expected to increase by 244,000 jobs, from 1,345,100 in 1999 to 1,589,100 in 2006, an 18.1 percent increase. The services industry division will dominate the expansion, accounting for nearly 46 percent of the job growth. Significant gains are also projected in most other major industry divisions.

Services, the largest industry division in Orange County, is projected to have the greatest job growth with 111,400 additional jobs for 26.8 percent growth, with employment reaching 527,300 by 2006. The largest gains are expected to occur in the business services and other services sectors. Business services employment will expand by 59,900 as a result of growth in personnel supply and temporary help services, and increased demand for computer programming, and computer-related services. The other services group, which includes automotive repair, services and parking, and legal services, is expected to add 17,900 new jobs. Although concerns over rising health care costs have slowed recent growth, health services is expected to continue to produce a substantial number of new jobs as the industry serves the needs of an expanding and aging population. Amusement and movies, engineering and

management services, hotels and other lodging places, private educational services and a variety of other personal and professional services are also expected to register significant job gains.

The second largest industry division in Orange County is **retail trade**. It is expected to produce 33,400 new jobs during the projection period as a result of population growth and overall job creation in other industries. With 14.4 percent growth, employment is projected to reach 265,000. Growth is anticipated in all segments of this division, but by far, the largest expansion will be in eating and drinking places, which will account for 13,500 of the new jobs in the retail trade division.

Manufacturing is expected to add 29,200 jobs for a 12.7 percent increase, bringing employment levels to 258,600. The majority of these jobs will be in the durable goods sector, which is projected to add 20,600 jobs. The most significant durable goods gains will be in electronic equipment, transportation equipment and industrial machinery. The nondurable goods manufacturing sector is expected to add 8,600 jobs, with gains concentrated in the textile mill products and apparel, and paper, printing and publishing groups.

The **government** industry is projected to expand by 16,800 jobs, or 11.9 percent, to reach 157,900 jobs by 2006. Most of

the job growth will result from increases in local and state education payrolls due to a rapidly expanding school age population and mandated smaller classroom sizes. State government jobs will grow at a slower pace to serve the needs of Orange County's expanding population.

Wholesale trade is forecast to expand by 17,400 new jobs, or 17.4 percent, with employment reaching 117,300 by the year 2006. Durable goods are expected to add 11,400 jobs and nondurable goods will add 6,000 payroll jobs as the suppliers of goods and services expand to support the production and distribution of local manufacturing employers.

Finance, insurance and real estate employment is projected to grow by 12,800 jobs, or 12.3 percent, bringing total employment in the division to 117,000. Finance, the largest group in this industry division, is expected to increase by 5,600 jobs. Although the proliferation of automated teller machines and on-line banking is expected to depress the demand for some workers, this decrease should be offset by employment gains in centralized operations such as call centers and data processing services for the finance and insurance sectors. The real estate group is forecast to add 3,800 jobs and the insurance sector should expand by 3,400 jobs over the projection period.

Construction, which has been on the rebound since 1993, is expected to expand at a rate of 16.4 percent, or 12,100 additional jobs, to reach 85,900 by 2006.

Demand for construction workers is anticipated for both residential and commercial developments. Construction job gains will be concentrated in the special trade group with 7,100 new jobs projected.

Transportation and public utilities is projected to expand by 10,800 jobs, for a 22.2 percent increase, bringing employment in the division to 59,400. The transportation groups will account for 5,200 of the jobs, a 19.2 percent growth rate. The communications and public utilities groups will add 5,500 jobs, for a 25.5 percent increase.

Mining employment is expected to remain steady at 700 jobs, with no projected change over the forecast period. The oil and gas exploration industries account for a significant portion of mining employment in Orange County. Employment in these industries increased rapidly during the late 1970's and early 1980's as rising foreign crude oil prices stimulated exploration and production, and then declined as the subsequent worldwide surplus pushed the price down.

Table 1
Employment By Major Industry (1)
1999 - 2006 Annual Averages
ORANGE COUNTY

INDUSTRY	1999 (2)	PERCENT OF TOTAL	2006	PERCENT OF TOTAL
TOTAL NONFARM	1,345,100	100.0%	1,589,100	100.0%
MINING	700	0.1%	700	0.0%
CONSTRUCTION	73,800	5.5%	85,900	5.4%
MANUFACTURING	229,400	17.1%	258,600	16.3%
TRANSPORTATION & PUBLIC UTILITIES	48,600	3.6%	59,400	3.7%
TRADE	331,500	24.6%	382,300	24.1%
FINANCE, INSURANCE, & REAL ESTATE	104,200	7.7%	117,000	7.4%
SERVICES	415,900	30.9%	527,300	33.2%
GOVERNMENT	141,100	10.5%	157,900	9.9%

- (1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.
- (2) March 2000 benchmark.

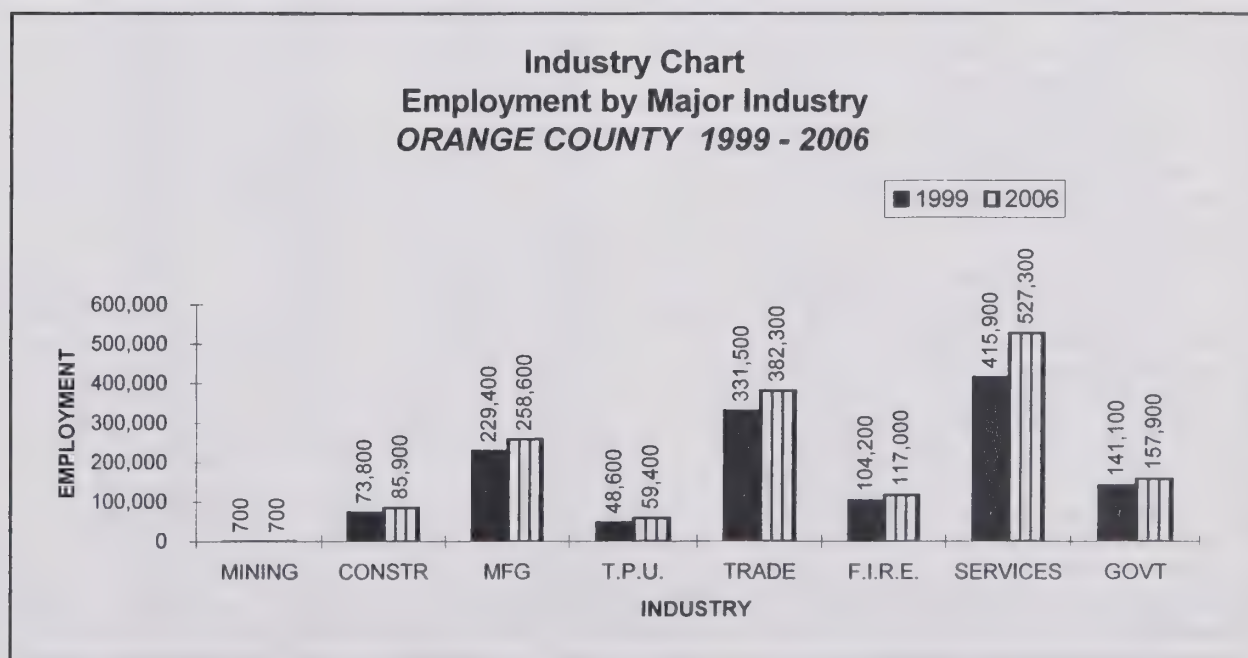


Table 2
Employment by Industry (1)
1999-2006
ORANGE COUNTY

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
TOTAL NONFARM	10-99(ex88) 074,075,078	1,345,100	1,589,100	244,000	18.1
GOODS PRODUCING	10-39	303,900	345,200	41,300	13.6
MINING	10-14	700	700	0	0.0
CONSTRUCTION	15-17	73,800	85,900	12,100	16.4
General Building Contractors	15	16,500	19,400	2,900	17.6
Heavy Construction	16	5,900	8,000	2,100	35.6
Special Trade	17	51,400	58,500	7,100	13.8
MANUFACTURING	20-39	229,400	258,600	29,200	12.7
Durable Goods	24,25,32-39	154,900	175,500	20,600	13.3
Lumber and Wood Products	24	12,700	13,800	1,100	8.7
Stone, Clay, & Glass	32	3,400	4,200	800	23.5
Primary & Fabricated Metals	33,34	21,500	23,200	1,700	7.9
Industrial Machinery	35	25,900	28,000	2,100	8.1
Computer & Office Equipment	357	8,500	9,000	500	5.9
Other Industrial Machinery	35x	17,500	19,000	1,500	8.6
Electronic Equipment	36	36,800	43,100	6,300	17.1
Communications Equip., Electronic Comp.	366,367	24,200	29,000	4,800	19.8
Other Electronic Equipment	36x	12,600	14,100	1,500	11.9
Transportation Equipment	37	20,800	24,900	4,100	19.7
Aircraft & Parts	372	8,000	9,800	1,800	22.5
Missiles, Spacecraft, & Parts	376	7,100	7,900	800	11.3
Other Transportation Equipment	37x	5,800	7,200	1,400	24.1
Instruments & Related Products	38	27,900	31,200	3,300	11.8
Search & Navigation Equipment	381	8,000	6,500	-1,500	-18.8
Measuring & Control Devices	382	8,300	10,100	1,800	21.7
Other Instruments & Related Devices	38x	11,700	14,600	2,900	24.8
Miscellaneous Manufacturing	39	5,700	7,100	1,400	24.6
Nondurable Goods	20-23,26-31	74,500	83,100	8,600	11.5
Food & Kindred Products	20	9,000	9,400	400	4.4
Canned, Cured, & Frozen Foods	203,2091,2092	2,100	1,800	-300	-14.3
Other Food & Kindred Products	20x	6,900	7,600	700	10.1
Textile Mill Products & Apparel	22,23	18,200	21,000	2,800	15.4
Paper, Printing, & Publishing	26,27	21,500	24,000	2,500	11.6
Chemicals, Petroleum, & Coal Products	28,29	11,600	13,200	1,600	13.8
Rubber, Plastics, & Leather Products	30,31	14,200	15,500	1,300	9.2
SERVICE PRODUCING	40-99(ex88) 074,075,078	1,041,300	1,243,900	202,600	19.5
TRANSPORTATION AND PUBLIC UTILITIES	40-42,44-49	48,600	59,400	10,800	22.2
Transportation	40-42,44-47	27,100	32,300	5,200	19.2
Local & Interurban Passenger Trans.	41	3,600	4,000	400	11.1
Trucking & Warehousing	42	11,000	13,100	2,100	19.1
Air Transportation	45	6,500	7,800	1,300	20.0
Other Transportation		6,100	7,400	1,300	21.3

Table 2
Employment by Industry (1)
1999-2006
ORANGE COUNTY

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
Communications and Public Utilities	48,49	21,600	27,100	5,500	25.5
Communications	48	15,800	20,600	4,800	30.4
Electric, Gas, & Sanitary Services	49	5,700	6,500	800	14.0
TRADE	50-59	331,500	382,300	50,800	15.3
Wholesale Trade	50,51	99,900	117,300	17,400	17.4
Wholesale Durable	50	68,500	79,900	11,400	16.6
Wholesale Nondurable	51	31,400	37,400	6,000	19.1
Retail Trade	52-59	231,600	265,000	33,400	14.4
Building Materials & Garden Supplies	52	9,400	12,000	2,600	27.7
General Merchandise	53	21,400	23,900	2,500	11.7
Food Stores	54	27,700	28,700	1,000	3.6
Automotive Dealers & Services	55	20,600	23,500	2,900	14.1
Apparel & Accessory Stores	56	15,800	18,000	2,200	13.9
Eating and Drinking Places	58	90,600	104,100	13,500	14.9
Other Retail Trade		46,100	54,800	8,700	18.9
FINANCE, INSURANCE, & REAL ESTATE	60-65,67	104,200	117,000	12,800	12.3
Finance	60-62,67	45,100	50,700	5,600	12.4
Insurance	63,64	32,900	36,300	3,400	10.3
Real Estate	65	26,200	30,000	3,800	14.5
SERVICES	70-89	415,900	527,300	111,400	26.8
	074,075,078				
Hotels and Other Lodging Places	70	19,800	23,000	3,200	16.2
Personal Services	72	12,700	15,700	3,000	23.6
Business Services	73	130,100	190,000	59,900	46.0
Amusement, Including Movies	78,79	33,900	40,500	6,600	19.5
Health Services	80	79,500	89,300	9,800	12.3
Private Educational Services	82	14,100	17,500	3,400	24.1
Engineering & Management Services	87	45,900	53,500	7,600	16.6
Other Services		79,900	97,800	17,900	22.4
GOVERNMENT		141,100	157,900	16,800	11.9
Federal Government		12,700	12,700	0	0.0
State and Local Government		128,400	145,200	16,800	13.1
State Government		23,100	26,200	3,100	13.4
State Education		13,900	15,700	1,800	12.9
Other State Government		9,200	10,500	1,300	14.1
Local Government		105,300	119,000	13,700	13.0
Local Education		67,700	79,200	11,500	17.0
Local Noneducation		37,600	39,800	2,200	5.9

(1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.

(2) March 2000 benchmark.

Table 3
Employment by Major Occupational Group
1999 - 2006 Annual Averages
ORANGE COUNTY

OCCUPATIONAL GROUP	1999	PERCENT OF TOTAL	2006	PERCENT OF TOTAL	ABSOLUTE CHANGE	PERCENT CHANGE
TOTAL, ALL OCCUPATIONS (1)	1,345,100	100.0%	1,589,100	100.0%	244,000	18.1%
MANAGERS AND ADMIN OCCUPATIONS	104,070	7.7%	122,900	7.7%	18,830	18.1%
PROFESSIONAL, PARAPROF, TECHNICAL	282,170	21.0%	344,380	21.7%	62,210	22.0%
SALES AND RELATED OCCUPATIONS	166,440	12.4%	198,550	12.5%	32,110	19.3%
CLERICAL, ADMINISTRATIVE SUPPORT	257,790	19.2%	292,650	18.4%	34,860	13.5%
SERVICE OCCUPATIONS	192,430	14.3%	226,460	14.3%	34,030	17.7%
AGRICULTURAL, FORESTRY, FISHING	22,030	1.6%	27,170	1.7%	5,140	23.3%
PROD, CONST, OPER, MAT HANDLING	320,110	23.8%	376,930	23.7%	56,820	17.8%

(1) Total is based on the March 2000 benchmark.

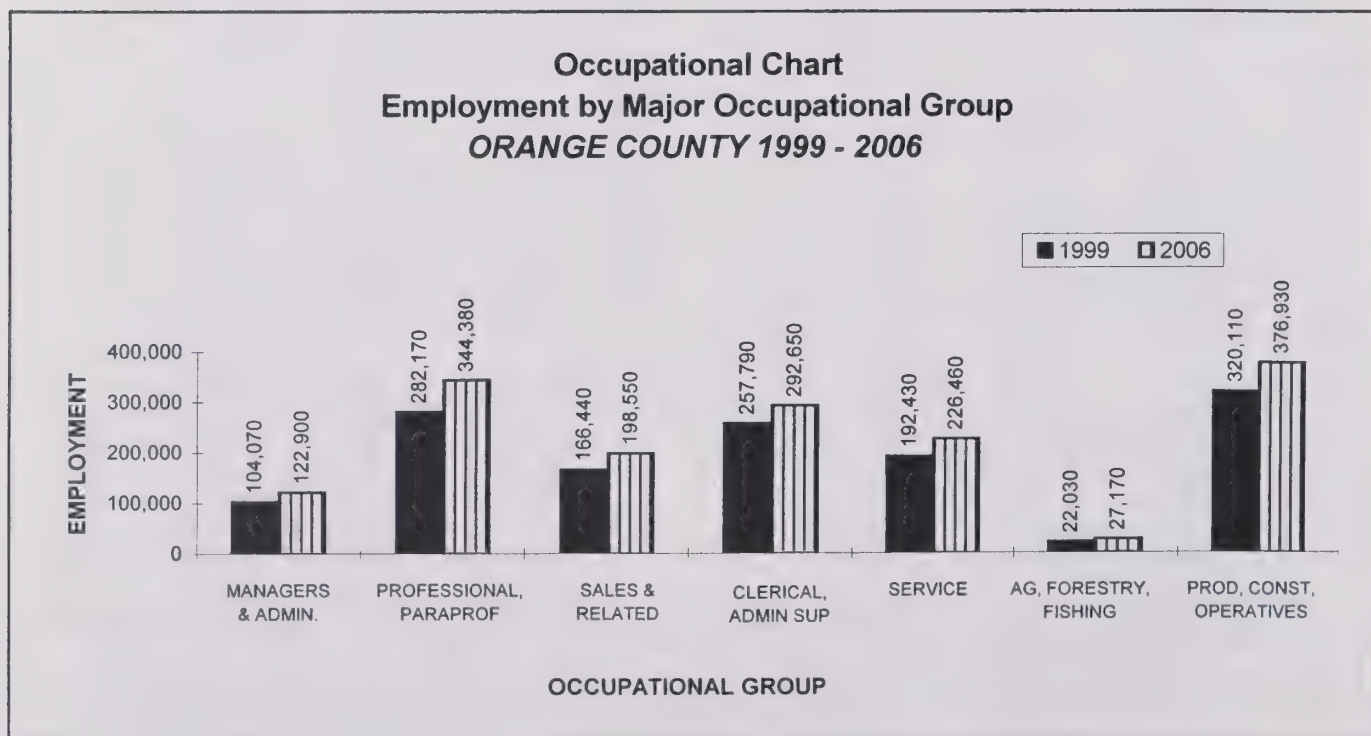


Table 4
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
ORANGE COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
49011	SALESPERSONS, RETAIL	43,440	51,460	8,020	18.5	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVES	42,340	50,010	7,670	18.1	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
67005	JANITORS, CLEANERS--EXCEPT MAIDS	21,340	27,850	6,510	30.5	11	SHORT-TERM ON-THE-JOB TRAINING
55347	GENERAL OFFICE CLERKS	34,450	40,040	5,590	16.2	11	SHORT-TERM ON-THE-JOB TRAINING
25102	SYSTEMS ANALYSTS--ELEC DATA PROC	7,320	12,410	5,090	69.5	5	BACHELOR'S DEGREE
49023	CASHIERS	27,360	32,390	5,030	18.4	11	SHORT-TERM ON-THE-JOB TRAINING
79041	LABORERS, LANDSCAPING/GRNDSKEEPING	18,680	23,030	4,350	23.3	11	SHORT-TERM ON-THE-JOB TRAINING
25104	COMPUTER SUPPORT SPECIALISTS	6,260	10,350	4,090	65.3	5	BACHELOR'S DEGREE
63047	GUARDS AND WATCH GUARDS	10,680	14,310	3,630	34.0	11	SHORT-TERM ON-THE-JOB TRAINING
55305	RECEPTIONISTS, INFORMATION CLERKS	17,010	20,280	3,270	19.2	11	SHORT-TERM ON-THE-JOB TRAINING
65008	WAITERS AND WAITRESSES	23,670	26,940	3,270	13.8	11	SHORT-TERM ON-THE-JOB TRAINING
97105	TRUCK DRIVERS, LIGHT	12,490	15,640	3,150	25.2	11	SHORT-TERM ON-THE-JOB TRAINING
93956	ASSEMB, FABRICATORS--EX MACH,ELECT	15,570	18,370	2,800	18.0	11	SHORT-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	10,470	13,200	2,730	26.1	11	SHORT-TERM ON-THE-JOB TRAINING
49008	SALES REPS, NON-SCIENTIFIC EX RET	14,320	16,760	2,440	17.0	10	MODERATE-TERM ON-THE-JOB TRAINING
22127	COMPUTER ENGINEERS	6,170	8,600	2,430	39.4	5	BACHELOR'S DEGREE
31308	TEACHERS--SECONDARY SCHOOL	9,860	12,130	2,270	23.0	5	BACHELOR'S DEGREE
49026	TELEMARKETERS, SOLICITORS & RELATED	4,690	6,900	2,210	47.1	11	SHORT-TERM ON-THE-JOB TRAINING
31305	TEACHERS--ELEMENTARY SCHOOL	13,210	15,270	2,060	15.6	5	BACHELOR'S DEGREE
65041	COMBINED FOOD PREP AND SERVICE	17,230	19,200	1,970	11.4	11	SHORT-TERM ON-THE-JOB TRAINING
32502	REGISTERED NURSES	13,670	15,630	1,960	14.3	6	ASSOCIATE DEGREE
53508	BILL AND ACCOUNT COLLECTORS	5,760	7,700	1,940	33.7	11	SHORT-TERM ON-THE-JOB TRAINING
13017	ENGINEER, MATH, AND NAT SCI MGRS	5,200	7,050	1,850	35.6	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	10,050	11,900	1,850	18.4	11	SHORT-TERM ON-THE-JOB TRAINING
13011	MKTING, ADV, PUB-REL MANAGERS	7,430	9,170	1,740	23.4	4	WORK EXP., PLUS BACHELOR'S OR HIGHER

Table 4
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
ORANGE COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
85132	MAINT REPAIRERS, GENL UTILITY	11,800	13,520	1,720	14.6	9	LONG-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	5,340	6,970	1,630	30.5	6	ASSOCIATE DEGREE
97102	TRUCK DRIVERS, HEAVY	6,670	8,300	1,630	24.4	11	SHORT-TERM ON-THE-JOB TRAINING
25105	COMPUTER PROGRAMMERS	9,950	11,550	1,600	16.1	5	BACHELOR'S DEGREE
21114	ACCOUNTANTS AND AUDITORS	10,810	12,380	1,570	14.5	5	BACHELOR'S DEGREE
65026	COOKS--RESTAURANT	9,300	10,820	1,520	16.3	9	LONG-TERM ON-THE-JOB TRAINING
58028	TRAFFIC, SHIPPING, RECEIVING CLKS	13,800	15,300	1,500	10.9	11	SHORT-TERM ON-THE-JOB TRAINING
87102	CARPENTERS	8,680	10,100	1,420	16.4	9	LONG-TERM ON-THE-JOB TRAINING
22126	ELECT AND ELECTRONIC ENGINEERS	6,710	8,090	1,380	20.6	5	BACHELOR'S DEGREE
43017	SALES AGENTS--SEL BUS SERVICES	3,860	5,220	1,360	35.2	10	MODERATE-TERM ON-THE-JOB TRAINING
49005	SALES REPS, SCIENTIFIC--EX RETAIL	7,510	8,860	1,350	18.0	10	MODERATE-TERM ON-THE-JOB TRAINING
49017	COUNTER AND RENTAL CLERKS	4,890	6,240	1,350	27.6	11	SHORT-TERM ON-THE-JOB TRAINING
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	4,700	6,020	1,320	28.1	11	SHORT-TERM ON-THE-JOB TRAINING
53123	ADJUSTMENT CLERKS	4,590	5,900	1,310	28.5	11	SHORT-TERM ON-THE-JOB TRAINING
55108	SECRETARIES, GENERAL	25,660	26,960	1,300	5.1	7	POST-SECONDARY VOCATIONAL EDUCATION
13002	FINANCIAL MANAGERS	8,610	9,850	1,240	14.4	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
65038	FOOD PREPARATION WORKERS	11,440	12,640	1,200	10.5	11	SHORT-TERM ON-THE-JOB TRAINING
66005	MEDICAL ASSISTANTS	4,680	5,810	1,130	24.1	10	MODERATE-TERM ON-THE-JOB TRAINING
55338	BOOKKEEPING, ACCOUNTING CLERKS	19,570	20,690	1,120	5.7	10	MODERATE-TERM ON-THE-JOB TRAINING
28108	LAWYERS	4,580	5,690	1,110	24.2	1	FIRST PROFESSIONAL DEGREE
85302	AUTOMOTIVE MECHANICS	5,670	6,780	1,110	19.6	9	LONG-TERM ON-THE-JOB TRAINING
67002	MAIDS AND HOUSEKEEPING CLEANERS	7,260	8,340	1,080	14.9	11	SHORT-TERM ON-THE-JOB TRAINING
81008	FIRST-LINE SUP/MGR-PRODUCTION	6,450	7,470	1,020	15.8	8	WORK EXPERIENCE
89108	MACHINISTS	6,160	7,140	980	15.9	9	LONG-TERM ON-THE-JOB TRAINING
81002	FIRST-LINE SUP/MGR-MECH, REPAIRERS	3,920	4,820	900	23.0	8	WORK EXPERIENCE
TOTAL OF THESE OCCUPATIONS		611,280	732,050	120,770	19.8		

(1) Excludes not elsewhere classified (NEC) categories.

(2) March 2000 Benchmark

Table 5
Occupations With The Fastest Job Growth (1)
1999 - 2006
ORANGE COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESSING	7,320	12,410	5,090	69.5	5	BACHELOR'S DEGREE
89707	ELECTRONIC PAGINATION SYSTEM WKRS	310	520	210	67.7	9	LONG-TERM ON-THE-JOB TRAINING
25104	COMPUTER SUPPORT SPECIALISTS	6,260	10,350	4,090	65.3	5	BACHELOR'S DEGREE
67008	PEST CONTROLLERS AND ASSISTANTS	560	880	320	57.1	10	MODERATE-TERM ON-THE-JOB TRAINING
25103	DATA BASE ADMINISTRATORS	1,440	2,200	760	52.8	5	BACHELOR'S DEGREE
28305	PARALEGAL PERSONNEL	760	1,140	380	50.0	6	ASSOCIATE DEGREE
34056	PRODUCERS, DIRECTORS, ACTORS	1,120	1,660	540	48.2	9	LONG-TERM ON-THE-JOB TRAINING
49026	TELEMARKETERS, SOLICITORS & RELATED	4,690	6,900	2,210	47.1	11	SHORT-TERM ON-THE-JOB TRAINING
85314	MOBILE HEAVY EQUIP MECH--EX ENGINE	630	910	280	44.4	9	LONG-TERM ON-THE-JOB TRAINING
43023	SALES AGENTS--ADVERTISING	1,360	1,930	570	41.9	10	MODERATE-TERM ON-THE-JOB TRAINING
27308	HUMAN SERVICES WORKERS	730	1,030	300	41.1	10	MODERATE-TERM ON-THE-JOB TRAINING
34041	INTERIOR DESIGNERS	730	1,030	300	41.1	5	BACHELOR'S DEGREE
56005	DUPLICATING MACHINE OPERATORS	1,140	1,600	460	40.4	11	SHORT-TERM ON-THE-JOB TRAINING
22127	COMPUTER ENGINEERS	6,170	8,600	2,430	39.4	5	BACHELOR'S DEGREE
85502	CENTRAL OFFICE AND PBX INSTALLERS	290	400	110	37.9	7	POST-SEC VOCATIONAL EDUCATION
56008	MAIL MACH OPS--PREP AND HANDLING	960	1,310	350	36.5	11	SHORT-TERM ON-THE-JOB TRAINING
97808	PARKING LOT ATTENDANTS	940	1,280	340	36.2	11	SHORT-TERM ON-THE-JOB TRAINING
13017	ENGINEER, MATH, AND NAT SCI MGRS	5,200	7,050	1,850	35.6	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
43017	SALES AGENTS--SEL BUS SERVICES	3,860	5,220	1,360	35.2	10	MODERATE-TERM ON-THE-JOB TRAINING
85702	TELEPHONE, CABLE TV INSTALLERS	1,820	2,460	640	35.2	9	LONG-TERM ON-THE-JOB TRAINING
32302	RESPIRATORY CARE PRACTITIONERS	660	890	230	34.8	6	ASSOCIATE DEGREE
63047	GUARDS AND WATCH GUARDS	10,680	14,310	3,630	34.0	11	SHORT-TERM ON-THE-JOB TRAINING
34023	PHOTOGRAPHERS	650	870	220	33.8	10	MODERATE-TERM ON-THE-JOB TRAINING
53508	BILL AND ACCOUNT COLLECTORS	5,760	7,700	1,940	33.7	11	SHORT-TERM ON-THE-JOB TRAINING
34035	ARTISTS AND RELATED WORKERS	2,170	2,900	730	33.6	4	WORK EXP., PLUS BACHELOR'S OR HIGHER

Table 5
Occupations With The Fastest Job Growth (1)
1999 - 2006
ORANGE COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
27505	DIRECTORS--RELIG ACTIVITIES, EDUC	450	600	150	33.3	5	BACHELOR'S DEGREE
68008	MANICURISTS	980	1,300	320	32.7	7	POST-SEC VOCATIONAL EDUCATION
24111	GEOLOGIST, GEOPHYS, OCEANOGRAPHERS	520	690	170	32.7	5	BACHELOR'S DEGREE
63017	CORRECTION OFFICERS, JAILERS	790	1,040	250	31.6	9	LONG-TERM ON-THE-JOB TRAINING
31311	TEACHERS--SPECIAL EDUCATION	2,860	3,740	880	30.8	5	BACHELOR'S DEGREE
34038	DESIGNERS, EX INTERIOR DESIGNERS	2,240	2,930	690	30.8	5	BACHELOR'S DEGREE
34002	WRITERS AND EDITORS	1,200	1,570	370	30.8	5	BACHELOR'S DEGREE
67005	JANITORS, CLEANERS--EXCEPT MAIDS	21,340	27,850	6,510	30.5	11	SHORT-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	5,340	6,970	1,630	30.5	6	ASSOCIATE DEGREE
93947	PAINTING, COATING, DECORATING--HAN	890	1,160	270	30.3	11	SHORT-TERM ON-THE-JOB TRAINING
68035	PERSONAL AND HOME CARE AIDES	760	990	230	30.3	11	SHORT-TERM ON-THE-JOB TRAINING
34008	PUB REL SPECS, PUBLICITY WRITERS	1,030	1,340	310	30.1	5	BACHELOR'S DEGREE
91502	NUMERICAL MACH TOOL OPS--MET, PLAS	1,510	1,960	450	29.8	10	MODERATE-TERM ON-THE-JOB TRAINING
65011	FOOD SERVERS--OUTSIDE	370	480	110	29.7	11	SHORT-TERM ON-THE-JOB TRAINING
27307	RESIDENTIAL COUNSELORS	1,460	1,890	430	29.5	5	BACHELOR'S DEGREE
92546	BINDERY MACHINE OPERATORS	610	790	180	29.5	10	MODERATE-TERM ON-THE-JOB TRAINING
97938	GRADER, DOZER, SCRAPER OPERATORS	410	530	120	29.3	10	MODERATE-TERM ON-THE-JOB TRAINING
32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	900	1,160	260	28.9	3	MASTER'S DEGREE
55335	CUSTOMER SERVICE REPS--UTILITIES	1,470	1,890	420	28.6	11	SHORT-TERM ON-THE-JOB TRAINING
92902	ELECTRONIC SEMICONDUCTOR PROCESSOR	770	990	220	28.6	10	MODERATE-TERM ON-THE-JOB TRAINING
53123	ADJUSTMENT CLERKS	4,590	5,900	1,310	28.5	11	SHORT-TERM ON-THE-JOB TRAINING
32911	MEDICAL RECORDS TECHNICIANS	530	680	150	28.3	6	ASSOCIATE DEGREE
87317	PLASTERERS AND STUCCO MASONS	2,160	2,770	610	28.2	9	LONG-TERM ON-THE-JOB TRAINING
53905	TEACHER AIDES & EDUC ASSTS, CLERIC	4,700	6,020	1,320	28.1	11	SHORT-TERM ON-THE-JOB TRAINING
49034	DEMONSTRATORS AND PROMOTERS	890	1,140	250	28.1	10	MODERATE-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		124,980	171,930	46,950	37.6		

(1) Excludes not elsewhere classified (NEC) categories and occupations of less than 400 in 2006.

(2) March 2000 Benchmark

Table 6
Occupational Employment Projections (1)
1999 - 2006
ORANGE COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
1		TOTAL, ALL OCCUPATIONS	1,345,100	1,589,100	244,000	18.1	244,580		
2	10000	MGRS AND ADMIN OCCUPATIONS	104,070	122,900	18,830	18.1	13,700		
3	13002	FINANCIAL MANAGERS	8,610	9,850	1,240	14.4	1,000	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
4	13005	PERS, TRAINING, LABOR-REL MGRS	2,510	3,000	490	19.5	450	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
5	13008	PURCHASING MANAGERS	2,240	2,540	300	13.4	370	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
6	13011	MKTING, ADV, PUB-REL MANAGERS	7,430	9,170	1,740	23.4	790	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
7	13014	ADMINISTRATIVE SERVICES MANAGERS	4,410	5,200	790	17.9	580	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
8	13017	ENGINEER, MATH, AND NAT SCI MGRS	5,200	7,050	1,850	35.6	740	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
10	15005	EDUCATION ADMINISTRATORS	3,180	3,660	480	15.1	590	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
11	15008	MEDICINE, HEALTH SERVICES MGRS	1,680	2,000	320	19	230	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
12	15011	PROPERTY AND REAL ESTATE MANAGERS	2,780	3,340	560	20.1	290	5	BACHELOR'S DEGREE
13	15014	INDUSTRIAL PRODUCTION MANAGERS	2,830	3,180	350	12.4	360	5	BACHELOR'S DEGREE
14	15017	CONSTRUCTION MANAGERS	2,900	3,440	540	18.6	380	5	BACHELOR'S DEGREE
16	15023	COMM, TRANS, UTIL OPER MGRS	1,550	1,960	410	26.5	210	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
17	15026	FOOD SERVICE AND LODGING MANAGERS	2,720	3,040	320	11.8	350	8	WORK EXPERIENCE
19	15032	LAWN SERVICE MANAGER	220	290	70	31.8	10	8	WORK EXPERIENCE
20	19002	PUB ADMIN CHIEF EXECS, LEGISLATORS	430	440	10	2.3	80	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
21	19005	GENERAL MANAGERS, TOP EXECUTIVES	42,340	50,010	7,670	18.1	5,580	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
22	19999	MANAGERS AND ADMINISTRATORS, NEC	13,040	14,730	1,690	13	1,690	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
23	20000	PROFESSIONAL, PARAPROF, TECHNICAL	282,170	344,380	62,210	22	42,050		
24	21000	MANAGEMENT SUPPORT OCCUPATIONS	47,460	54,880	7,420	15.6	7,150		
25	21100	ACCOUNTANTS, AUDIT, FINANCE SPECS	22,360	25,740	3,380	15.1	3,240		
26	21102	UNDERWRITERS	2,100	2,250	150	7.1	420	5	BACHELOR'S DEGREE
27	21105	CREDIT ANALYSTS	1,080	1,240	160	14.8	180	5	BACHELOR'S DEGREE

Table 6
Occupational Employment Projections (1)
1999 - 2006
ORANGE COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
28	21108	LOAN OFFICERS AND COUNSELORS	3,840	4,550	710	18.5	640	5	BACHELOR'S DEGREE
29	21111	TAX PREPARERS	650	790	140	21.5	110	11	SHORT-TERM ON-THE-JOB TRAINING
30	21114	ACCOUNTANTS AND AUDITORS	10,810	12,380	1,570	14.5	1,250	5	BACHELOR'S DEGREE
31	21117	BUDGET ANALYSTS	690	820	130	18.8	120	5	BACHELOR'S DEGREE
32	21199	FINANCIAL SPECIALISTS, NEC	3,190	3,710	520	16.3	520	5	BACHELOR'S DEGREE
33	21300	PURCHASING AGENTS AND BUYERS	4,100	4,740	640	15.6	770		
34	21302	WHLE AND RET BUYERS--EX FARM PRODS	1,030	1,150	120	11.7	180	5	BACHELOR'S DEGREE
35	21305	PURCH AGTS AND BUYERS--FARM PRODS	380	440	60	15.8	70	8	WORK EXPERIENCE
36	21308	PURCH AGTS--EX WHLE,RET,FARM PRODS	2,690	3,150	460	17.1	520	5	BACHELOR'S DEGREE
37	21500	PERS, TRAINING, LAB-REL SPECS	5,290	6,370	1,080	20.4	1,080		
39	21505	SPECIAL AGENTS--INSURANCE	330	380	50	15.2	70	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
40	21508	EMPL INTERVIEWERS--PRIV OR PUB	1,370	1,580	210	15.3	270	5	BACHELOR'S DEGREE
41	21511	PERS, TRAINING, LAB-REL SPECS, NEC	3,590	4,410	820	22.8	740	5	BACHELOR'S DEGREE
42	21900	OTHER MANAGEMENT SUPPORT WORKERS	15,710	18,030	2,320	14.8	2,060		
43	21902	COST ESTIMATORS	1,960	2,290	330	16.8	180	8	WORK EXPERIENCE
44	21905	MANAGEMENT ANALYSTS	950	1,190	240	25.3	60	3	MASTER'S DEGREE
45	21908	CONST AND BUILDING INSPECTORS	640	720	80	12.5	120	8	WORK EXPERIENCE
46	21911	COMPL, ENFORCE INSPECT--EX CONST	1,160	1,340	180	15.5	160	8	WORK EXPERIENCE
47	21914	TAX EXAMINERS, COLLECT, REV AGENTS	560	600	40	7.1	90	5	BACHELOR'S DEGREE
49	21921	CLAIMS EXAMINERS--INSURANCE	980	1,100	120	12.2	120	5	BACHELOR'S DEGREE
50	21999	MANAGEMENT SUPPORT WORKERS, NEC	9,460	10,790	1,330	14.1	1,330	5	BACHELOR'S DEGREE
51	22000	ENGINEERS, ARCHITECTS, SURVEYORS	42,200	50,640	8,440	20	6,290		
52	22100	ENGINEERS	26,390	32,750	6,360	24.1	3,660		
53	22102	AERONAUT, ASTRONAUTICAL ENGINEERS	1,410	1,640	230	16.3	170	5	BACHELOR'S DEGREE
57	22114	CHEMICAL ENGINEERS	240	290	50	20.8	40	5	BACHELOR'S DEGREE
59	22121	CIVIL ENGINEERS--INCLUDING TRAFFIC	2,140	2,470	330	15.4	310	5	BACHELOR'S DEGREE
61	22126	ELECT AND ELECTRONIC ENGINEERS	6,710	8,090	1,380	20.6	1,090	5	BACHELOR'S DEGREE

Table 6
Occupational Employment Projections (1)
1999 - 2006
ORANGE COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
62	22127	COMPUTER ENGINEERS	6,170	8,600	2,430	39.4	310	5	BACHELOR'S DEGREE
63	22128	INDUST ENGINEERS--EXCEPT SAFETY	1,570	1,740	170	10.8	160	5	BACHELOR'S DEGREE
64	22132	SAFETY ENGINEERS--EXCEPT MINING	110	130	20	18.2	10	5	BACHELOR'S DEGREE
65	22135	MECHANICAL ENGINEERS	2,930	3,470	540	18.4	430	5	BACHELOR'S DEGREE
67	22199	ENGINEERS, NEC	5,110	6,320	1,210	23.7	1,140	5	BACHELOR'S DEGREE
68	22300	ARCHITECTS AND SURVEYORS	1,170	1,240	70	6	150		
69	22302	ARCHITECTS--EX LANDSCAPE, MARINE	510	570	60	11.8	60	5	BACHELOR'S DEGREE
71	22308	LANDSCAPE ARCHITECTS	290	310	20	6.9	30	5	BACHELOR'S DEGREE
72	22311	SURVEYING AND MAPPING SCIENTISTS	370	360	-10	-2.7	60	5	BACHELOR'S DEGREE
73	22500	ENGINEERING, RELATED TECHNICIANS	14,640	16,650	2,010	13.7	2,480		
74	22502	CIVIL ENGINEERING TECHNICIANS	870	990	120	13.8	170	6	ASSOCIATE DEGREE
75	22505	ELECT, ELECTRONIC ENGINEERING TECH	5,570	6,460	890	16	850	6	ASSOCIATE DEGREE
76	22508	INDUST ENGINEERING TECHS	390	410	20	5.1	60	6	ASSOCIATE DEGREE
77	22511	MECHANICAL ENGINEERING TECHS	1,040	1,230	190	18.3	160	6	ASSOCIATE DEGREE
78	22514	DRAFTERS	3,530	3,780	250	7.1	610	7	POST-SECONDARY VOCATIONAL EDUCATION
80	22521	SURVEYING AND MAPPING TECHS	300	340	40	13.3	50	7	POST-SECONDARY VOCATIONAL EDUCATION
81	22599	ENGINEERING, RELATED TECHS, NEC	2,940	3,440	500	17	580	6	ASSOCIATE DEGREE
82	24000	NAT SCIENTISTS AND RELATED WORKERS	4,400	5,340	940	21.4	800		
83	24100	PHYSICAL SCIENTISTS	1,840	2,280	440	23.9	350		
85	24105	CHEMISTS, EXCEPT BIOCHEMISTS	740	890	150	20.3	130	5	BACHELOR'S DEGREE
87	24111	GEOLOGIST, GEOPHYS, OCEANOGRAPHERS	520	690	170	32.7	110	5	BACHELOR'S DEGREE
88	24199	PHYSICAL SCIENTISTS, NEC	580	700	120	20.7	110	5	BACHELOR'S DEGREE
89	24300	LIFE SCIENTISTS	860	1,090	230	26.7	150		
92	24308	BIOLOGICAL SCIENTISTS	480	610	130	27.1	80	2	DOCTORAL DEGREE
93	24311	MEDICAL SCIENTISTS	170	220	50	29.4	40	2	DOCTORAL DEGREE
94	24399	LIFE SCIENTISTS, NEC	210	260	50	23.8	30	2	DOCTORAL DEGREE

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			1999 (2)	2006					
95	24500	PHYSICAL, LIFE SCIENCE TECHS	1,700	1,970	270	15.9	300		
96	24502	BIOLOGICAL, AGRI, FOOD TECHS	210	230	20	9.5	40	6	ASSOCIATE DEGREE
97	24505	CHEM TECHS--EXCEPT HEALTH	610	700	90	14.8	100	6	ASSOCIATE DEGREE
98	24508	NUCLEAR TECHNICIANS	100	130	30	30	20	6	ASSOCIATE DEGREE
100	24599	PHYSICAL, LIFE SCIENCE TECHS, NEC	780	910	130	16.7	140	6	ASSOCIATE DEGREE
101	25000	COMPUTER, MATH, OPS RESRCH, RELATE	30,520	44,090	13,570	44.5	4,050		
102	25100	COMPUTER SCIENTISTS AND RELATED	28,540	41,980	13,440	47.1	3,730		
103	25102	SYSTEMS ANALYSTS--ELEC DATA PROC	7,320	12,410	5,090	69.5	410	5	BACHELOR'S DEGREE
104	25103	DATA BASE ADMINISTRATORS	1,440	2,200	760	52.8	200	5	BACHELOR'S DEGREE
105	25104	COMPUTER SUPPORT SPECIALISTS	6,260	10,350	4,090	65.3	350	5	BACHELOR'S DEGREE
106	25105	COMPUTER PROGRAMMERS	9,950	11,550	1,600	16.1	2,320	5	BACHELOR'S DEGREE
107	25108	COMPUTER PROGRAMMER AIDES	1,270	1,490	220	17.3	300	5	BACHELOR'S DEGREE
108	25111	NC TOOL, PROCESS PROGRAMMERS	160	180	20	12.5	30	8	WORK EXPERIENCE
109	25199	COMPUTER SCIENTISTS, REL WRKRS, NEC	2,140	3,800	1,660	77.6	120	5	BACHELOR'S DEGREE
110	25300	MATH SCIENTISTS AND RELATED	1,980	2,110	130	6.6	320		
111	25302	OPS, SYS RESEARCHERS--EX COMPUTER	920	940	20	2.2	200	3	MASTER'S DEGREE
114	25313	ACTUARIES	140	150	10	7.1	10	5	BACHELOR'S DEGREE
115	25315	FINANCIAL ANALYSTS, STATISTICAL	560	660	100	17.9	70	5	BACHELOR'S DEGREE
116	25319	MATHEMATICAL SCIENTISTS, NEC	360	360	0	0	40	2	DOCTORAL DEGREE
118	27000	SOCIAL SCI, RECREATION, RELIGIOUS	11,570	13,980	2,410	20.8	1,720		
119	27100	SOCIAL SCI--INCL URBAN, REG PLNERS	2,420	2,720	300	12.4	340		
120	27102	ECONOMISTS--INCL MKT RESRCH ANALYS	470	550	80	17	70	5	BACHELOR'S DEGREE
121	27105	URBAN AND REGIONAL PLANNERS	350	390	40	11.4	50	3	MASTER'S DEGREE
122	27108	PSYCHOLOGISTS	1,470	1,640	170	11.6	200	3	MASTER'S DEGREE
123	27199	SOCIAL SCIENTISTS, NEC	130	140	10	7.7	20	3	MASTER'S DEGREE

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			1999 (2)	2006					
124	27300	OTH SOCIAL SCIENCE RELATED WORKERS	7,290	8,920	1,630	22.4	1,100		
125	27302	SOCIAL WORKERS--MED, PSYCHIATRIC	1,680	2,030	350	20.8	170	3	MASTER'S DEGREE
126	27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	1,570	1,900	330	21	150	5	BACHELOR'S DEGREE
127	27307	RESIDENTIAL COUNSELORS	1,460	1,890	430	29.5	260	5	BACHELOR'S DEGREE
128	27308	HUMAN SERVICES WORKERS	730	1,030	300	41.1	160	10	MODERATE-TERM ON-THE-JOB TRAINING
129	27311	RECREATION WORKERS	1,850	2,070	220	11.9	360	5	BACHELOR'S DEGREE
130	27500	RELIGIOUS WORKERS	1,860	2,340	480	25.8	280		
131	27502	CLERGY	1,410	1,740	330	23.4	220	1	FIRST PROFESSIONAL DEGREE
132	27505	DIRECTORS--RELIG ACTIVITIES, EDUC	450	600	150	33.3	60	5	BACHELOR'S DEGREE
134	28000	LAW AND RELATED OCCUPATIONS	8,280	10,160	1,880	22.7	680		
135	28100	LAWYERS AND RELATED WORKERS	5,220	6,380	1,160	22.2	470		
136	28102	JUDGES AND MAGISTRATES	230	240	10	4.3	30	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
137	28105	ADJUDICATORS, JUDICIAL REVIEWERS	410	450	40	9.8	50	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
138	28108	LAWYERS	4,580	5,690	1,110	24.2	390	1	FIRST PROFESSIONAL DEGREE
139	28300	LEGAL ASSTS, TECHS, EX CLERICAL	3,060	3,780	720	23.5	210		
140	28302	LAW CLERKS	330	330	0	0	30	6	ASSOCIATE DEGREE
141	28305	PARALEGAL PERSONNEL	760	1,140	380	50	50	6	ASSOCIATE DEGREE
142	28308	TITLE SEARCHERS	120	110	-10	-8.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
143	28311	TITLE EXAMINERS AND ABSTRACTORS	160	160	0	0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
144	28399	LEGAL ASSTS, TECHS--EX CLER, NEC	1,690	2,040	350	20.7	110	6	ASSOCIATE DEGREE
145	31000	TEACHERS, EDUCATORS, LIBRARIANS	65,840	78,780	12,940	19.7	10,320		
146	31100	POSTSECONDARY TEACHERS	11,470	13,810	2,340	20.4	2,430		
147	31111	LECTURERS	150	170	20	13.3	20	5	BACHELOR'S DEGREE
148	31114	NURSING INSTRUCTORS, POSTSECONDARY	170	200	30	17.6	30	3	MASTER'S DEGREE
149	31117	GRADUATE ASSISTANTS, TEACHING	440	530	90	20.5	90	3	MASTER'S DEGREE

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			1999 (2)	2006					
151	31202	LIFE SCIENCES TEACHERS, POSTSECOND	140	180	40	28.6	30	2	DOCTORAL DEGREE
154	31209	PHYSICAL SCIENCE TEACHERS, POSTSEC	120	150	30	25	30	2	DOCTORAL DEGREE
155	31211	HEALTH DIAGNOSTICS TEACHERS, POSTS	110	150	40	36.4	30	2	DOCTORAL DEGREE
157	31213	COMMUNICATIONS TEACHERS, POSTSECON	210	270	60	28.6	50	2	DOCTORAL DEGREE
158	31214	ENGLISH LANG & LIT TEACHERS, POSTS	570	680	110	19.3	120	2	DOCTORAL DEGREE
159	31215	FOREIGN LANG & LIT TEACHERS, POSTS	130	150	20	15.4	30	2	DOCTORAL DEGREE
160	31218	ART, DRAMA, MUSIC TEACHERS, POSTSE	280	330	50	17.9	60	2	DOCTORAL DEGREE
163	31224	MATHEMATICAL SCIENCES TEACHERS, PO	530	630	100	18.9	110	2	DOCTORAL DEGREE
164	31226	COMPUTER SCIENCE TEACHERS, POSTSEC	250	360	110	44	60	2	DOCTORAL DEGREE
166	31231	ANTHRO & SOCIOLOGY TEACHERS, POSTS	150	180	30	20	30	2	DOCTORAL DEGREE
168	31233	ECONOMICS TEACHERS, POSTSECONDARY	100	130	30	30	20	2	DOCTORAL DEGREE
170	31235	HISTORY TEACHERS, POSTSECONDARY	240	280	40	16.7	50	2	DOCTORAL DEGREE
171	31236	POLITICAL SCIENCE TEACHERS, POSTSE	110	130	20	18.2	20	2	DOCTORAL DEGREE
172	31237	PSYCHOLOGY TEACHERS, POSTSECONDARY	1,320	1,570	250	18.9	280	2	DOCTORAL DEGREE
174	31242	BUSINESS TEACHERS, POSTSECONDARY	490	590	100	20.4	100	2	DOCTORAL DEGREE
175	31244	LAW TEACHERS, POSTSECONDARY	380	450	70	18.4	80	2	DOCTORAL DEGREE
176	31246	CRIMINAL JUSTICE & LAW ENFORCE TEA	150	180	30	20	30	2	DOCTORAL DEGREE
178	31252	EDUCATION TEACHERS, POSTSECONDARY	270	320	50	18.5	60	2	DOCTORAL DEGREE
179	31254	PHILOSOPHY & RELIGION TEACHERS, PO	410	490	80	19.5	90	2	DOCTORAL DEGREE
183	31299	POSTSECONDARY TEACHERS, NEC	4,750	5,690	940	19.8	1,010	2	DOCTORAL DEGREE
184	31300	OTHER TEACHERS AND INSTRUCTORS	45,900	54,360	8,460	18.4	6,880		
185	31303	TEACHERS, PRESCHOOL	3,560	4,270	710	19.9	580	5	BACHELOR'S DEGREE
186	31304	TEACHERS, KINDERGARTEN	1,470	1,710	240	16.3	240	5	BACHELOR'S DEGREE
187	31305	TEACHERS--ELEMENTARY SCHOOL	13,210	15,270	2,060	15.6	2,260	5	BACHELOR'S DEGREE
188	31308	TEACHERS--SECONDARY SCHOOL	9,860	12,130	2,270	23	2,440	5	BACHELOR'S DEGREE
189	31311	TEACHERS--SPECIAL EDUCATION	2,860	3,740	880	30.8	190	5	BACHELOR'S DEGREE
190	31314	TEACHERS--VOC ED AND TRAINING	2,640	3,110	470	17.8	210	8	WORK EXPERIENCE
191	31317	INSTRUCTORS--NON-VOC EDUCATION	1,370	1,720	350	25.5	110	8	WORK EXPERIENCE
192	31321	INSTRUCTORS AND COACHES--SPORTS	4,080	4,940	860	21.1	330	10	MODERATE-TERM ON-THE-JOB TRAINING
194	31399	TEACHERS AND INSTRUCTORS, NEC	6,850	7,470	620	9.1	520	3	MASTER'S DEGREE
195	31500	LIBRARIANS, ARCHIVISTS AND RELATED	8,470	10,610	2,140	25.3	1,010		

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			1999 (2)	2006					
196	31502	LIBRARIANS--PROFESSIONAL	1,190	1,300	110	9.2	220	3	MASTER'S DEGREE
197	31505	TECHNICAL ASSISTANTS--LIBRARY	290	350	60	20.7	60	11	SHORT-TERM ON-THE-JOB TRAINING
200	31514	VOCATIONAL & EDUCATIONAL COUNSELOR	1,170	1,420	250	21.4	200	3	MASTER'S DEGREE
201	31517	INSTRUCTIONAL COORDINATORS	480	570	90	18.8	40	5	BACHELOR'S DEGREE
202	31521	TEACHER AIDES, PARAPROFESSIONAL	5,340	6,970	1,630	30.5	490	6	ASSOCIATE DEGREE
203	32000	HEALTH PRACTITIONERS, TECHS, RELAT	46,090	53,530	7,440	16.1	6,390		
204	32100	HEALTH DIAGNOSING, TREATING	6,790	7,650	860	12.7	840		
205	32102	PHYSICIANS AND SURGEONS	4,890	5,550	660	13.5	560	1	FIRST PROFESSIONAL DEGREE
206	32105	DENTISTS	1,050	1,070	20	1.9	150	1	FIRST PROFESSIONAL DEGREE
207	32108	OPTOMETRISTS	290	300	10	3.4	40	1	FIRST PROFESSIONAL DEGREE
210	32114	VETS AND VETERINARY INSPECTORS	370	470	100	27	60	1	FIRST PROFESSIONAL DEGREE
211	32199	HEALTH DIAGNOSING, TREATING, NEC	190	260	70	36.8	30	6	ASSOCIATE DEGREE
212	32300	THERAPISTS	3,450	4,210	760	22	390		
213	32302	RESPIRATORY CARE PRACTITIONERS	660	890	230	34.8	80	6	ASSOCIATE DEGREE
214	32305	OCCUPATIONAL THERAPISTS	490	560	70	14.3	50	5	BACHELOR'S DEGREE
215	32308	PHYSICAL THERAPISTS	1,040	1,180	140	13.5	110	5	BACHELOR'S DEGREE
217	32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	900	1,160	260	28.9	110	3	MASTER'S DEGREE
218	32317	RECREATIONAL THERAPISTS	110	110	0	0	10	5	BACHELOR'S DEGREE
219	32399	THERAPISTS, NEC	250	310	60	24	30	5	BACHELOR'S DEGREE
220	32500	HEALTH CARE MAINTENANCE, TREATING	21,840	24,770	2,930	13.4	2,970		
221	32502	REGISTERED NURSES	13,670	15,630	1,960	14.3	1,660	6	ASSOCIATE DEGREE
222	32505	LICENSED VOCATIONAL NURSES	3,640	3,960	320	8.8	560	7	POST-SECONDARY VOCATIONAL EDUCATION
223	32508	EMERGENCY MEDICAL TECHNICIANS	830	920	90	10.8	150	7	POST-SECONDARY VOCATIONAL EDUCATION
224	32511	PHYSICIAN'S ASSISTANTS	330	410	80	24.2	40	5	BACHELOR'S DEGREE
225	32514	OPTICIANS--DISPENSING, MEASURING	750	830	80	10.7	70	9	LONG-TERM ON-THE-JOB TRAINING
226	32517	PHARMACISTS	1,280	1,430	150	11.7	260	5	BACHELOR'S DEGREE
227	32518	PHARMACY TECHNICIANS	690	850	160	23.2	130	10	MODERATE-TERM ON-THE-JOB TRAINING
228	32521	DIETITIANS AND NUTRITIONISTS	410	470	60	14.6	60	5	BACHELOR'S DEGREE

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			1999 (2)	2006					
229	32523	DIETETIC TECHNICIANS	240	270	30	12.5	40	6	ASSOCIATE DEGREE
230	32900	OTHER HEALTH PROFS, PARAPROFS	14,010	16,900	2,890	20.6	2,190		
231	32902	MED, CLINICAL LAB TECHNOLOGISTS	1,110	1,270	160	14.4	100	5	BACHELOR'S DEGREE
232	32905	MED, CLINICAL LAB ASSISTANTS	1,680	2,000	320	19	160	6	ASSOCIATE DEGREE
233	32908	DENTAL HYGIENISTS	2,150	2,450	300	14	350	6	ASSOCIATE DEGREE
234	32911	MEDICAL RECORDS TECHNICIANS	530	680	150	28.3	100	6	ASSOCIATE DEGREE
237	32919	RADIOLOGIC TECHNOLOGISTS	1,200	1,400	200	16.7	120	6	ASSOCIATE DEGREE
239	32925	CARDIOLOGY TECHNOLOGISTS	120	160	40	33.3	20	6	ASSOCIATE DEGREE
241	32928	SURGICAL TECHNICIANS	270	360	90	33.3	50	7	POST-SECONDARY VOCATIONAL EDUCATION
242	32931	PSYCHIATRIC TECHNICIANS	590	600	10	1.7	60	6	ASSOCIATE DEGREE
243	32951	VETERINARY TECHNICIANS	440	500	60	13.6	80	6	ASSOCIATE DEGREE
244	32999	HEALTH CARE PROFS, PARAPROFS, NEC	5,920	7,480	1,560	26.4	1,150	6	ASSOCIATE DEGREE
245	34000	WRITERS, ARTISTS, ENTER, ATHLETES	12,440	16,250	3,810	30.6	2,130		
246	34002	WRITERS AND EDITORS	1,200	1,570	370	30.8	260	5	BACHELOR'S DEGREE
247	34005	TECHNICAL WRITERS	650	800	150	23.1	130	5	BACHELOR'S DEGREE
248	34008	PUB REL SPECS, PUBLICITY WRITERS	1,030	1,340	310	30.1	220	5	BACHELOR'S DEGREE
249	34011	REPORTERS AND CORRESPONDENTS	360	400	40	11.1	80	5	BACHELOR'S DEGREE
251	34017	ANNOUNCERS--RADIO AND TELEVISION	250	320	70	28	50	9	LONG-TERM ON-THE-JOB TRAINING
253	34023	PHOTOGRAPHERS	650	870	220	33.8	80	10	MODERATE-TERM ON-THE-JOB TRAINING
255	34028	BROADCAST TECHNICIANS	160	210	50	31.3	40	7	POST-SECONDARY VOCATIONAL EDUCATION
257	34035	ARTISTS AND RELATED WORKERS	2,170	2,900	730	33.6	370	4	WORK EXP., PLUS BACHELOR'S OR HIGHER
258	34038	DESIGNERS, EX INTERIOR DESIGNERS	2,240	2,930	690	30.8	260	5	BACHELOR'S DEGREE
259	34041	INTERIOR DESIGNERS	730	1,030	300	41.1	90	5	BACHELOR'S DEGREE
260	34044	MERCH DISPLAYERS, WINDOW TRIMMERS	330	390	60	18.2	40	5	BACHELOR'S DEGREE
261	34047	MUSIC DIRECTORS, SINGERS, COMPOSERS	170	220	50	29.4	30	9	LONG-TERM ON-THE-JOB TRAINING
262	34051	MUSICIANS--INSTRUMENTAL	670	800	130	19.4	100	9	LONG-TERM ON-THE-JOB TRAINING
263	34053	DANCERS AND CHOREOGRAPHERS	210	230	20	9.5	30	7	POST-SECONDARY VOCATIONAL EDUCATION
264	34056	PRODUCERS, DIRECTORS, ACTORS	1,120	1,660	540	48.2	220	9	LONG-TERM ON-THE-JOB TRAINING
265	34058	ATHLETES, COACHES, UMPs, RELATED	500	580	80	16	130	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
266	39000	MISC PROFS, PARAPROFS, TECHNICAL	13,370	16,730	3,360	25.1	2,520		
272	39999	OTHER PROF, PARAPROF, TECHNICAL	13,370	16,730	3,360	25.1	2,520	5	BACHELOR'S DEGREE
273	40000	SALES AND RELATED OCCUPATIONS	166,440	198,550	32,110	19.3	37,350		
274	41000	FIRST-LINE SUP/MGR--SALES	20,230	24,340	4,110	20.3	2,000	8	WORK EXPERIENCE
275	43000	SALES AGENTS--SERVICE	17,170	21,260	4,090	23.8	3,080		
276	43002	SALES AGENTS, PLACERS--INSURANCE	3,570	3,950	380	10.6	600	9	LONG-TERM ON-THE-JOB TRAINING
277	43005	BROKERS--REAL ESTATE	110	120	10	9.1	20	8	WORK EXPERIENCE
278	43008	SALES AGENTS--REAL ESTATE	1,000	1,130	130	13	150	7	POST-SECONDARY VOCATIONAL EDUCATION
279	43011	APPRAISERS--REAL ESTATE	550	590	40	7.3	80	8	WORK EXPERIENCE
280	43014	SALES AGENTS--FINANCIAL SERVICES	2,200	2,650	450	20.5	130	9	LONG-TERM ON-THE-JOB TRAINING
281	43017	SALES AGENTS--SEL BUS SERVICES	3,860	5,220	1,360	35.2	650	10	MODERATE-TERM ON-THE-JOB TRAINING
282	43021	TRAVEL AGENTS	1,760	1,980	220	12.5	280	7	POST-SECONDARY VOCATIONAL EDUCATION
283	43023	SALES AGENTS--ADVERTISING	1,360	1,930	570	41.9	320	10	MODERATE-TERM ON-THE-JOB TRAINING
284	43099	SALES REPS, SERVICE--NEC	2,760	3,690	930	33.7	850	10	MODERATE-TERM ON-THE-JOB TRAINING
285	49000	MERCH, PRODUCTS AND OTHER SALES	129,040	152,950	23,910	18.5	32,270		
286	49002	SALES ENGINEERS	1,090	1,290	200	18.3	160	5	BACHELOR'S DEGREE
287	49005	SALES REPS, SCIENTIFIC--EX RETAIL	7,510	8,860	1,350	18	1,390	10	MODERATE-TERM ON-THE-JOB TRAINING
288	49008	SALES REPS, NON-SCIENTIFIC EX RET	14,320	16,760	2,440	17	2,650	10	MODERATE-TERM ON-THE-JOB TRAINING
289	49011	SALESPERSONS, RETAIL	43,440	51,460	8,020	18.5	11,460	11	SHORT-TERM ON-THE-JOB TRAINING
290	49014	SALESPERSONS--PARTS	3,630	3,960	330	9.1	770	10	MODERATE-TERM ON-THE-JOB TRAINING
291	49017	COUNTER AND RENTAL CLERKS	4,890	6,240	1,350	27.6	1,710	11	SHORT-TERM ON-THE-JOB TRAINING
292	49021	STOCK CLERKS--SALES FLOOR	13,640	14,510	870	6.4	1,470	11	SHORT-TERM ON-THE-JOB TRAINING
293	49023	CASHIERS	27,360	32,390	5,030	18.4	9,500	11	SHORT-TERM ON-THE-JOB TRAINING
294	49026	TELEMARKETERS, SOLICITORS & RELATE	4,690	6,900	2,210	47.1	1,070	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
295	49034	DEMONSTRATORS AND PROMOTERS	890	1,140	250	28.1	190	10	MODERATE-TERM ON-THE-JOB TRAINING
297	49999	SALES AND RELATED WORKERS, NEC	7,580	9,440	1,860	24.5	1,900	10	MODERATE-TERM ON-THE-JOB TRAINING
298	50000	CLERICAL, ADMINISTRATIVE SUPPORT	257,790	292,650	34,860	13.5	39,990		
299	51000	FIRST-LINE SUP/MGR, CLERL, ADM SUP	21,880	26,430	4,550	20.8	3,760	8	WORK EXPERIENCE
300	53000	INDUSTRY SPECIFIC CLERICAL, ADMIN	39,210	46,100	6,890	17.6	6,330		
301	53100	BANKING, SECURITY, FINANCE, CREDIT	16,630	18,730	2,100	12.6	2,510		
302	53102	TELLERS	5,210	5,350	140	2.7	1,620	11	SHORT-TERM ON-THE-JOB TRAINING
303	53105	NEW ACCOUNTS CLERKS	840	1,000	160	19	210	8	WORK EXPERIENCE
305	53111	LOAN INTERVIEWERS	350	330	-20	-5.7	30	11	SHORT-TERM ON-THE-JOB TRAINING
306	53114	CREDIT AUTHORIZERS	190	190	0	0	20	11	SHORT-TERM ON-THE-JOB TRAINING
307	53117	CREDIT CHECKERS	750	810	60	8	30	11	SHORT-TERM ON-THE-JOB TRAINING
308	53121	LOAN AND CREDIT CLERKS	4,320	4,720	400	9.3	330	11	SHORT-TERM ON-THE-JOB TRAINING
309	53123	ADJUSTMENT CLERKS	4,590	5,900	1,310	28.5	230	11	SHORT-TERM ON-THE-JOB TRAINING
311	53128	BROKERAGE CLERKS	380	430	50	13.2	40	11	SHORT-TERM ON-THE-JOB TRAINING
312	53300	INSURANCE WORKERS	6,120	6,990	870	14.2	690		
313	53302	INS ADJUST, EXAMIN, INVESTIGATORS	1,800	2,140	340	18.9	230	9	LONG-TERM ON-THE-JOB TRAINING
314	53305	INSURANCE APPRAISERS--AUTO DAMAGE	230	270	40	17.4	30	10	MODERATE-TERM ON-THE-JOB TRAINING
315	53308	INSURANCE EXAMINING CLERKS	340	390	50	14.7	30	10	MODERATE-TERM ON-THE-JOB TRAINING
316	53311	INSURANCE CLAIMS CLERKS	1,580	1,790	210	13.3	200	10	MODERATE-TERM ON-THE-JOB TRAINING
317	53314	INSURANCE POLICY PROCESSING CLERKS	2,170	2,400	230	10.6	200	10	MODERATE-TERM ON-THE-JOB TRAINING
318	53500	INVESTIGATIVE, RELATED, EX INSUR	5,930	7,860	1,930	32.5	1,270		
319	53502	WELFARE ELIG WORKERS, INTERVIEWERS	170	160	-10	-5.9	30	10	MODERATE-TERM ON-THE-JOB TRAINING
321	53508	BILL AND ACCOUNT COLLECTORS	5,760	7,700	1,940	33.7	1,240	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
322	53700	MUNICIPAL WORKERS	360	390	30	8.3	40		
323	53702	COURT CLERKS	360	390	30	8.3	40	11	SHORT-TERM ON-THE-JOB TRAINING
326	53800	LODGING AND TRAVEL WORKERS	3,450	3,910	460	13.3	790		
327	53802	TRAVEL CLERKS	340	400	60	17.6	60	11	SHORT-TERM ON-THE-JOB TRAINING
328	53805	RESERVATION, TRANS TICKET AGENTS	1,410	1,570	160	11.3	220	11	SHORT-TERM ON-THE-JOB TRAINING
329	53808	HOTEL DESK CLERKS	1,700	1,940	240	14.1	510	11	SHORT-TERM ON-THE-JOB TRAINING
330	53900	MISC INDUSTRY SPECIFIC CLERICAL	6,720	8,220	1,500	22.3	1,030		
331	53902	LIBRARY ASSTS & BOOKMOBILE DRIVERS	1,180	1,330	150	12.7	440	11	SHORT-TERM ON-THE-JOB TRAINING
332	53905	TEACHER AIDES & EDUC ASSTS, CLERIC	4,700	6,020	1,320	28.1	420	11	SHORT-TERM ON-THE-JOB TRAINING
333	53908	ADVERTISING CLERKS	160	210	50	31.3	30	11	SHORT-TERM ON-THE-JOB TRAINING
334	53911	PROOFREADERS AND COPY MARKERS	540	500	-40	-7.4	110	11	SHORT-TERM ON-THE-JOB TRAINING
335	53914	REAL ESTATE CLERKS	140	160	20	14.3	30	11	SHORT-TERM ON-THE-JOB TRAINING
336	55000	SECRETARIAL, GENERAL OFFICE OCCS	127,150	140,890	13,740	10.8	20,410		
337	55100	SECRETARIES	30,690	32,550	1,860	6.1	3,560		
338	55102	SECRETARIES, LEGAL	3,570	4,120	550	15.4	430	7	POST-SECONDARY VOCATIONAL EDUCATION
339	55105	SECRETARIES, MEDICAL	1,460	1,470	10	0.7	170	7	POST-SECONDARY VOCATIONAL EDUCATION
340	55108	SECRETARIES, GENERAL	25,660	26,960	1,300	5.1	2,960	7	POST-SECONDARY VOCATIONAL EDUCATION
341	55300	MISC SECRETARIAL, GENL OFF OCCS	96,460	108,340	11,880	12.3	16,850		
342	55302	STENOGRAPHERS AND/OR COURT REPORTE	670	730	60	9	80	7	POST-SECONDARY VOCATIONAL EDUCATION
343	55305	RECEPTIONISTS, INFORMATION CLERKS	17,010	20,280	3,270	19.2	2,520	11	SHORT-TERM ON-THE-JOB TRAINING
344	55307	TYPISTS, INCLUDING WORD PROCESSING	4,610	4,130	-480	-10.4	600	10	MODERATE-TERM ON-THE-JOB TRAINING
345	55314	PERS CLERKS--EX PAYROLL	1,260	1,340	80	6.3	170	11	SHORT-TERM ON-THE-JOB TRAINING
346	55317	CORRESPONDENCE CLERKS	330	370	40	12.1	60	11	SHORT-TERM ON-THE-JOB TRAINING
347	55321	FILE CLERKS	4,920	5,390	470	9.6	1,270	11	SHORT-TERM ON-THE-JOB TRAINING
348	55323	ORDER CLERKS--MATERIALS, SERVICE	4,640	5,230	590	12.7	820	11	SHORT-TERM ON-THE-JOB TRAINING
349	55326	PROCUREMENT CLERKS	530	530	0	0	60	11	SHORT-TERM ON-THE-JOB TRAINING
350	55328	STATISTICAL CLERKS	370	390	20	5.4	40	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
351	55332	INTERVIEW CLERKS--EX PERS, WELFARE	1,210	1,390	180	14.9	290	11	SHORT-TERM ON-THE-JOB TRAINING
352	55335	CUSTOMER SERVICE REPS--UTILITIES	1,470	1,890	420	28.6	280	11	SHORT-TERM ON-THE-JOB TRAINING
353	55338	BOOKKEEPING, ACCOUNTING CLERKS	19,570	20,690	1,120	5.7	2,610	10	MODERATE-TERM ON-THE-JOB TRAINING
354	55341	PAYROLL AND TIMEKEEPING CLERKS	1,870	1,930	60	3.2	260	11	SHORT-TERM ON-THE-JOB TRAINING
355	55344	BILLING, COST, AND RATE CLERKS	3,550	4,010	460	13	520	11	SHORT-TERM ON-THE-JOB TRAINING
356	55347	GENERAL OFFICE CLERKS	34,450	40,040	5,590	16.2	7,270	11	SHORT-TERM ON-THE-JOB TRAINING
357	56000	EDP AND OFFICE MACHINE OCCUPATIONS	11,290	12,280	990	8.8	1,270		
358	56002	BILLING, POSTING, CALC MACHINE OPS	1,010	990	-20	-2	140	11	SHORT-TERM ON-THE-JOB TRAINING
359	56005	DUPLICATING MACHINE OPERATORS	1,140	1,600	460	40.4	290	11	SHORT-TERM ON-THE-JOB TRAINING
360	56008	MAIL MACH OPS--PREP AND HANDLING	960	1,310	350	36.5	240	11	SHORT-TERM ON-THE-JOB TRAINING
361	56011	COMPUTER OPS--EX PERIPHERAL EQUIP	2,120	1,920	-200	-9.4	200	10	MODERATE-TERM ON-THE-JOB TRAINING
362	56014	PERIPHERAL EDP EQUIPMENT OPERATORS	550	450	-100	-18.2	50	10	MODERATE-TERM ON-THE-JOB TRAINING
363	56017	DATA ENTRY KEYERS--EX COMPOSING	4,920	5,470	550	11.2	270	7	POST-SECONDARY VOCATIONAL EDUCATION
364	56021	DATA KEYERS--COMPOSING	260	230	-30	-11.5	10	7	POST-SECONDARY VOCATIONAL EDUCATION
365	56099	OFFICE MACHINE OPERATORS, NEC	330	310	-20	-6.1	70	11	SHORT-TERM ON-THE-JOB TRAINING
366	57000	COMMUNICATIONS, MAIL DISTRIBUTION	10,910	11,640	730	6.7	1,910		
367	57100	COMMUNICATION EQUIPMENT OPERATORS	3,660	3,590	-70	-1.9	570		
368	57102	SWITCHBOARD OPERATORS	2,090	2,040	-50	-2.4	320	11	SHORT-TERM ON-THE-JOB TRAINING
369	57105	DIRECTORY ASSISTANCE OPERATORS	320	270	-50	-15.6	50	10	MODERATE-TERM ON-THE-JOB TRAINING
370	57108	CENTRAL OFFICE OPERATORS	570	580	10	1.8	90	10	MODERATE-TERM ON-THE-JOB TRAINING
372	57199	COMMUNICATION EQUIP OPERATORS, NEC	680	700	20	2.9	110	10	MODERATE-TERM ON-THE-JOB TRAINING
373	57300	MAIL, MESSAGE DISTRIBUTION WORKERS	7,250	8,050	800	11	1,340		
374	57302	MAIL CLKS-EX MAIL MACH OPS, POSTAL	1,420	1,750	330	23.2	270	11	SHORT-TERM ON-THE-JOB TRAINING
375	57305	POSTAL MAIL CARRIERS	3,220	3,400	180	5.6	640	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
376	57308	POSTAL SERVICE CLERKS	570	600	30	5.3	70	11	SHORT-TERM ON-THE-JOB TRAINING
377	57311	MESSENGERS	2,040	2,300	260	12.7	360	11	SHORT-TERM ON-THE-JOB TRAINING
378	58000	MATERIAL RECORDING, DISPATCHING	40,140	46,540	6,400	15.9	5,420		
379	58002	DISPATCH--POLICE, FIRE, AMBULANCE	470	500	30	6.4	50	10	MODERATE-TERM ON-THE-JOB TRAINING
380	58005	DISPATCH--EX POLICE, FIRE, AMBUL	2,150	2,700	550	25.6	270	10	MODERATE-TERM ON-THE-JOB TRAINING
381	58008	PROD, PLANNING, EXPEDITING CLERKS	3,040	3,340	300	9.9	260	11	SHORT-TERM ON-THE-JOB TRAINING
382	58011	TRANSPORTATION AGENTS	120	140	20	16.7	10	11	SHORT-TERM ON-THE-JOB TRAINING
383	58014	METER READERS--UTILITIES	330	360	30	9.1	60	11	SHORT-TERM ON-THE-JOB TRAINING
384	58017	WEIGHERS, MEASURERS--RECORDKEEPING	300	340	40	13.3	60	11	SHORT-TERM ON-THE-JOB TRAINING
385	58021	MARKING CLERKS	130	130	0	0	20	11	SHORT-TERM ON-THE-JOB TRAINING
386	58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	10,050	11,900	1,850	18.4	1,140	11	SHORT-TERM ON-THE-JOB TRAINING
387	58026	ORDER FILLERS--WHLE & RET SALES	3,310	4,020	710	21.5	610	11	SHORT-TERM ON-THE-JOB TRAINING
388	58028	TRAFFIC, SHIPPING, RECEIVING CLKS	13,800	15,300	1,500	10.9	1,680	11	SHORT-TERM ON-THE-JOB TRAINING
389	58099	MATERIAL RECORDING, RELATED, NEC	6,440	7,810	1,370	21.3	1,260	11	SHORT-TERM ON-THE-JOB TRAINING
390	59000	CLERICAL, ADMIN SUPPORT, NEC	7,210	8,770	1,560	21.6	890	11	SHORT-TERM ON-THE-JOB TRAINING
392	60000	SERVICE OCCUPATIONS	192,430	226,460	34,030	17.7	49,680		
393	61000	FIRST-LINE SUP/MGR--SERVICE	10,090	12,270	2,180	21.6	1,850		
394	61002	FIRE FIGHTING & PREVENTION SUPS	540	570	30	5.6	130	8	WORK EXPERIENCE
395	61005	POLICE AND DETECTIVE SUPERVISORS	430	460	30	7	90	8	WORK EXPERIENCE
396	61008	HOUSEKEEPING SUPERVISORS	1,040	1,170	130	12.5	180	8	WORK EXPERIENCE
397	61099	FIRST-LINE SUP/MGR SERV WKRS, NEC	8,080	10,070	1,990	24.6	1,450	8	WORK EXPERIENCE
398	63000	PROTECTIVE SERVICE OCCUPATIONS	20,320	25,410	5,090	25	4,600		
401	63008	FIRE FIGHTERS	2,590	2,660	70	2.7	440	9	LONG-TERM ON-THE-JOB TRAINING

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402	63011	POLICE DETECTIVES	250	280	30	12	50	8	WORK EXPERIENCE
403	63014	POLICE PATROL OFFICERS	3,160	3,860	700	22.2	650	9	LONG-TERM ON-THE-JOB TRAINING
404	63017	CORRECTION OFFICERS, JAILERS	790	1,040	250	31.6	180	9	LONG-TERM ON-THE-JOB TRAINING
408	63028	CRIMINAL INVESTIGATORS, FEDERAL	170	200	30	17.6	30	5	BACHELOR'S DEGREE
409	63032	SHERIFFS AND DEPUTY SHERIFFS	290	350	60	20.7	20	9	LONG-TERM ON-THE-JOB TRAINING
410	63035	DETECTIVES, INVESTIGATORS--EX PUB	390	450	60	15.4	70	10	MODERATE-TERM ON-THE-JOB TRAINING
413	63044	CROSSING GUARDS	440	450	10	2.3	90	11	SHORT-TERM ON-THE-JOB TRAINING
414	63047	GUARDS AND WATCH GUARDS	10,680	14,310	3,630	34	2,200	11	SHORT-TERM ON-THE-JOB TRAINING
415	63099	PROTECTIVE SERVICE WORKERS, NEC	1,560	1,810	250	16	870	11	SHORT-TERM ON-THE-JOB TRAINING
416	65000	FOOD, BEV PREP AND SERVICE OCCS	93,750	104,820	11,070	11.8	32,410		
417	65002	HOSTS, HOSTESSES--RESTAURANTS	4,910	5,720	810	16.5	1,140	11	SHORT-TERM ON-THE-JOB TRAINING
418	65005	BARTENDERS	3,680	3,850	170	4.6	1,130	11	SHORT-TERM ON-THE-JOB TRAINING
419	65008	WAITERS AND WAITRESSES	23,670	26,940	3,270	13.8	9,870	11	SHORT-TERM ON-THE-JOB TRAINING
420	65011	FOOD SERVERS--OUTSIDE	370	480	110	29.7	270	11	SHORT-TERM ON-THE-JOB TRAINING
421	65014	DINING RM ATTENDANTS, BAR HELPERS	5,810	6,070	260	4.5	1,350	11	SHORT-TERM ON-THE-JOB TRAINING
422	65017	COUNTER ATTENDANTS--FOOD	2,680	2,950	270	10.1	1,790	11	SHORT-TERM ON-THE-JOB TRAINING
423	65021	BAKERS--BREAD AND PASTRY	2,240	2,530	290	12.9	450	10	MODERATE-TERM ON-THE-JOB TRAINING
424	65023	BUTCHERS AND MEAT CUTTERS	1,920	1,820	-100	-5.2	310	9	LONG-TERM ON-THE-JOB TRAINING
425	65026	COOKS--RESTAURANT	9,300	10,820	1,520	16.3	1,900	9	LONG-TERM ON-THE-JOB TRAINING
426	65028	COOKS--INSTITUTION OR CAFETERIA	1,360	1,430	70	5.1	260	9	LONG-TERM ON-THE-JOB TRAINING
427	65032	COOKS--SPECIALTY FAST FOOD	5,270	6,140	870	16.5	1,080	11	SHORT-TERM ON-THE-JOB TRAINING
428	65035	COOKS--SHORT ORDER	900	1,060	160	17.8	190	11	SHORT-TERM ON-THE-JOB TRAINING
429	65038	FOOD PREPARATION WORKERS	11,440	12,640	1,200	10.5	4,700	11	SHORT-TERM ON-THE-JOB TRAINING
430	65041	COMBINED FOOD PREP AND SERVICE	17,230	19,200	1,970	11.4	7,100	11	SHORT-TERM ON-THE-JOB TRAINING
431	65099	FOOD SERVICE WORKERS, NEC	2,970	3,170	200	6.7	870	11	SHORT-TERM ON-THE-JOB TRAINING
432	66000	HEALTH SERVICE, RELATED OCCS	19,190	22,810	3,620	18.9	2,640		
433	66002	DENTAL ASSISTANTS	4,200	4,830	630	15	470	10	MODERATE-TERM ON-THE-JOB TRAINING
434	66005	MEDICAL ASSISTANTS	4,680	5,810	1,130	24.1	900	10	MODERATE-TERM ON-THE-JOB TRAINING
435	66008	NURSE AIDES, ORDERLIES, ATTENDANTS	5,510	6,400	890	16.2	580	11	SHORT-TERM ON-THE-JOB TRAINING

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436	66011	HOME HEALTH CARE WORKERS	2,150	2,710	560	26	240	11	SHORT-TERM ON-THE-JOB TRAINING
437	66014	PSYCHIATRIC AIDES	330	350	20	6.1	30	11	SHORT-TERM ON-THE-JOB TRAINING
438	66017	PHYSICAL THERAPY ASSISTANTS & AIDE	640	780	140	21.9	120	10	MODERATE-TERM ON-THE-JOB TRAINING
439	66021	OCCUPATIONAL THERAPY ASSISTANTS	110	130	20	18.2	20	10	MODERATE-TERM ON-THE-JOB TRAINING
441	66026	PHARMACY AIDES	490	580	90	18.4	90	11	SHORT-TERM ON-THE-JOB TRAINING
442	66099	HEALTH SERVICE WORKERS, NEC	1,080	1,220	140	13	190	11	SHORT-TERM ON-THE-JOB TRAINING
443	67000	CLEANING, BLDING SERV EX PRIV HOUS	31,950	40,270	8,320	26	5,330		
444	67002	MAIDS AND HOUSEKEEPING CLEANERS	7,260	8,340	1,080	14.9	1,010	11	SHORT-TERM ON-THE-JOB TRAINING
445	67005	JANITORS, CLEANERS--EXCEPT MAIDS	21,340	27,850	6,510	30.5	3,770	11	SHORT-TERM ON-THE-JOB TRAINING
446	67008	PEST CONTROLLERS AND ASSISTANTS	560	880	320	57.1	110	10	MODERATE-TERM ON-THE-JOB TRAINING
448	67099	CLEANING, BLDING SERV--EX PH, NEC	2,790	3,200	410	14.7	440	11	SHORT-TERM ON-THE-JOB TRAINING
449	68000	MISC PERSONAL SERVICE OCCUPATIONS	13,680	16,830	3,150	23	2,110		
451	68005	HAIRDRESSERS, HAIRSTYLISTS	2,570	3,080	510	19.8	510	7	POST-SECONDARY VOCATIONAL EDUCATION
452	68008	MANICURISTS	980	1,300	320	32.7	210	7	POST-SECONDARY VOCATIONAL EDUCATION
453	68011	SHAMPOOERS	130	160	30	23.1	30	11	SHORT-TERM ON-THE-JOB TRAINING
454	68014	AMUSEMENT, RECREATION ATTENDANTS	3,850	4,700	850	22.1	590	11	SHORT-TERM ON-THE-JOB TRAINING
455	68017	GUIDES	220	250	30	13.6	30	8	WORK EXPERIENCE
456	68021	USHERS, LOBBY ATTENDANTS	1,090	1,350	260	23.9	170	11	SHORT-TERM ON-THE-JOB TRAINING
457	68023	BAGGAGE PORTERS AND BELLHOPS	380	440	60	15.8	60	11	SHORT-TERM ON-THE-JOB TRAINING
458	68026	FLIGHT ATTENDANTS	320	410	90	28.1	50	9	LONG-TERM ON-THE-JOB TRAINING
460	68032	WARDROBE ATTENDANTS	270	320	50	18.5	60	8	WORK EXPERIENCE
461	68035	PERSONAL AND HOME CARE AIDES	760	990	230	30.3	160	11	SHORT-TERM ON-THE-JOB TRAINING
462	68038	CHILD CARE WORKERS	3,110	3,830	720	23.2	240	11	SHORT-TERM ON-THE-JOB TRAINING
464	69000	MISC SERVICE WORKERS	3,450	4,050	600	17.4	740	8	WORK EXPERIENCE

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			1999 (2)	2006					
466	70000	AGRICULTURAL, FORESTRY, FISHING	22,030	27,170	5,140	23.3	4,960		
467	72000	FIRST-LINE SUP/MGR--AG, FOR, FISH	570	720	150	26.3	70	8	WORK EXPERIENCE
475	79000	MISC AG, FORESTRY, FISHING	21,460	26,450	4,990	23.3	4,890		
476	79002	FOREST, CONSERVATION WORKERS	110	130	20	18.2	20	11	SHORT-TERM ON-THE-JOB TRAINING
478	79011	GRADERS, SORTERS--AG PRODUCTS	270	350	80	29.6	60	11	SHORT-TERM ON-THE-JOB TRAINING
481	79017	ANIMAL CARETAKERS--EXCEPT FARM	950	1,170	220	23.2	110	11	SHORT-TERM ON-THE-JOB TRAINING
483	79033	PRUNERS	150	190	40	26.7	40	11	SHORT-TERM ON-THE-JOB TRAINING
485	79041	LABORERS, LANDSCAPING/GROUNDSKEEPI	18,680	23,030	4,350	23.3	4,420	11	SHORT-TERM ON-THE-JOB TRAINING
486	79806	VETERINARY ASSISTANTS	530	640	110	20.8	60	11	SHORT-TERM ON-THE-JOB TRAINING
489	79999	AG, FORESTRY, FISHING--NEC	770	940	170	22.1	180	11	SHORT-TERM ON-THE-JOB TRAINING
490	80000	PROD, CONST, OPER, MAT HANDLING	320,110	376,930	56,820	17.8	56,850		
491	81000	FIRST-LINE SUP/MGR-BLUE COLLAR	18,590	22,130	3,540	19	3,930		
492	81002	FIRST-LINE SUP/MGR-MECH, REPAIRERS	3,920	4,820	900	23	900	8	WORK EXPERIENCE
493	81005	FIRST-LINE SUP/MGR-CONSTRUCTION	2,880	3,470	590	20.5	590	8	WORK EXPERIENCE
494	81008	FIRST-LINE SUP/MGR-PRODUCTION	6,450	7,470	1,020	15.8	1,360	8	WORK EXPERIENCE
495	81011	FIRST-LINE SUP/MGR-TRANSPORTATION	1,000	1,170	170	17	190	8	WORK EXPERIENCE
496	81017	FIRST-LINE SUP/MGR-HELP, LABORERS	1,650	1,990	340	20.6	340	8	WORK EXPERIENCE
497	81099	FIRST-LINE SUP/MGR-BLUE COLLAR NEC	2,690	3,210	520	19.3	550	8	WORK EXPERIENCE
498	83000	INSPECTORS, RELATED OCCUPATIONS	10,120	11,220	1,100	10.9	1,650		
499	83002	INSPECTORS, TESTERS, & GRADERS, PRECI	3,290	3,430	140	4.3	480	8	WORK EXPERIENCE
500	83005	PROD INSPECTORS, TESTERS, & GRADER	5,210	5,560	350	6.7	860	8	WORK EXPERIENCE

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			1999 (2)	2006					
502	83099	INSPECTORS, TESTERS, RELATED, NEC	1,620	2,230	610	37.7	310	8	WORK EXPERIENCE
503	85000	MECHANICS, INSTALLERS, REPAIRERS	41,040	48,600	7,560	18.4	7,390		
504	85100	MACHINERY AND RELATED MECHANICS	15,340	17,640	2,300	15	2,590		
505	85110	MACHINERY MAINTENANCE MECHANICS	1,920	2,210	290	15.1	320	9	LONG-TERM ON-THE-JOB TRAINING
506	85112	MAINTENANCE MECHANICS--TEXTILE	100	140	40	40	20	9	LONG-TERM ON-THE-JOB TRAINING
510	85118	MAINT MECHANICS--WATER, POWER	380	420	40	10.5	60	9	LONG-TERM ON-THE-JOB TRAINING
511	85119	MACHINERY MAINT MECHANICS, NEC	350	410	60	17.1	60	9	LONG-TERM ON-THE-JOB TRAINING
512	85123	MILLWRIGHTS	230	280	50	21.7	50	9	LONG-TERM ON-THE-JOB TRAINING
514	85128	MACHINERY MAINTENANCE WORKERS	560	660	100	17.9	100	9	LONG-TERM ON-THE-JOB TRAINING
515	85132	MAINT REPAIRERS, GENL UTILITY	11,800	13,520	1,720	14.6	1,980	9	LONG-TERM ON-THE-JOB TRAINING
516	85300	MOBILE EQUIP MECHANICS, REPAIRERS	11,240	13,320	2,080	18.5	2,170		
517	85302	AUTOMOTIVE MECHANICS	5,670	6,780	1,110	19.6	1,080	9	LONG-TERM ON-THE-JOB TRAINING
518	85305	AUTOMOTIVE BODY, RELATED REPAIRERS	2,550	2,950	400	15.7	560	9	LONG-TERM ON-THE-JOB TRAINING
519	85308	MOTORCYCLE REPAIRERS	170	170	0	0	30	9	LONG-TERM ON-THE-JOB TRAINING
520	85311	BUS AND TRUCK MECHANICS	1,600	1,770	170	10.6	260	9	LONG-TERM ON-THE-JOB TRAINING
521	85314	MOBILE HEAVY EQUIP MECH--EX ENGINE	630	910	280	44.4	140	9	LONG-TERM ON-THE-JOB TRAINING
524	85323	AIRCRAFT MECHANICS	450	530	80	17.8	70	7	POST-SECONDARY VOCATIONAL EDUCATION
526	85328	SMALL ENGINE SPECIALISTS	170	210	40	23.5	30	9	LONG-TERM ON-THE-JOB TRAINING
528	85500	COMM EQUIPMENT MECHANICS	400	510	110	27.5	100		
529	85502	CENTRAL OFFICE AND PBX INSTALLERS	290	400	110	37.9	80	7	POST-SECONDARY VOCATIONAL EDUCATION
533	85514	RADIO MECHANICS	110	110	0	0	20	7	POST-SECONDARY VOCATIONAL EDUCATION
535	85700	OTHER ELECTRICAL EQUIP MECHANICS	6,180	7,670	1,490	24.1	1,300		
536	85702	TELEPHONE, CABLE TV INSTALLERS	1,820	2,460	640	35.2	480	9	LONG-TERM ON-THE-JOB TRAINING
537	85705	DATA PROCESSING EQUIP REPAIRERS	860	1,040	180	20.9	90	7	POST-SECONDARY VOCATIONAL EDUCATION
538	85708	ELECT HOME ENTERTAINMENT REPAIRERS	230	220	-10	-4.3	50	7	POST-SECONDARY VOCATIONAL EDUCATION
539	85711	ELECT HOME APPL & POWER TOOL REPAI	140	160	20	14.3	30	9	LONG-TERM ON-THE-JOB TRAINING
541	85717	ELECT REPAIRERS--COMMERCIAL	730	870	140	19.2	160	7	POST-SECONDARY VOCATIONAL EDUCATION

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			1999 (2)	2006					
543	85723	ELECT POWERLINE INSTALLERS	710	900	190	26.8	130	9	LONG-TERM ON-THE-JOB TRAINING
544	85726	STATION INSTALLERS--TELEPHONE	460	390	-70	-15.2	100	7	POST-SECONDARY VOCATIONAL EDUCATION
546	85799	ELECT EQUIP MECHANICS, NEC	1,230	1,630	400	32.5	260	9	LONG-TERM ON-THE-JOB TRAINING
547	85900	MISC MECH, INSTALLERS, REPAIRERS	7,880	9,460	1,580	20.1	1,230		
548	85902	HEATING, AC, REFRIG MECHANICS	2,260	2,790	530	23.5	320	9	LONG-TERM ON-THE-JOB TRAINING
549	85905	INSTRUMENT REPAIRERS, PRECISION	210	250	40	19	40	9	LONG-TERM ON-THE-JOB TRAINING
555	85923	LOCKSMITHS AND SAFE REPAIRERS	250	310	60	24	50	10	MODERATE-TERM ON-THE-JOB TRAINING
556	85926	OFF MACH, CASH REGISTER SERVICERS	920	1,030	110	12	150	9	LONG-TERM ON-THE-JOB TRAINING
560	85938	INSTALLER & REPAIRER, MOBILE HOME	450	530	80	17.8	80	9	LONG-TERM ON-THE-JOB TRAINING
562	85947	COIN, VENDING MACHINE SERVICERS	100	110	10	10	20	9	LONG-TERM ON-THE-JOB TRAINING
564	85953	TIRE REPAIRERS AND CHANGERS	410	440	30	7.3	130	11	SHORT-TERM ON-THE-JOB TRAINING
566	85999	MECHS, INSTALLERS, REPAIRERS, NEC	3,280	4,000	720	22	440	9	LONG-TERM ON-THE-JOB TRAINING
567	87000	CONSTRUCTION TRADES	39,250	45,680	6,430	16.4	6,720		
568	87100	CARPENTERS AND RELATED WORKERS	12,170	14,170	2,000	16.4	2,140		
569	87102	CARPENTERS	8,680	10,100	1,420	16.4	1,760	9	LONG-TERM ON-THE-JOB TRAINING
570	87105	CEILING TILE INSTALLERS	240	280	40	16.7	50	10	MODERATE-TERM ON-THE-JOB TRAINING
571	87108	DRYWALL INSTALLERS	1,430	1,710	280	19.6	150	10	MODERATE-TERM ON-THE-JOB TRAINING
572	87111	TAPERS	670	810	140	20.9	70	10	MODERATE-TERM ON-THE-JOB TRAINING
573	87114	LATHERS	1,150	1,270	120	10.4	110	10	MODERATE-TERM ON-THE-JOB TRAINING
575	87200	ELECTRICIANS AND RELATED WORKERS	4,850	5,600	750	15.5	740		
576	87202	ELECTRICIANS	4,850	5,600	750	15.5	740	9	LONG-TERM ON-THE-JOB TRAINING
577	87300	MASONS AND RELATED WORKERS	4,790	5,850	1,060	22.1	770		
578	87302	BRICK MASONS	410	500	90	22	70	9	LONG-TERM ON-THE-JOB TRAINING
579	87305	STONE MASONS	230	280	50	21.7	40	9	LONG-TERM ON-THE-JOB TRAINING
580	87308	HARD TILE SETTERS	290	320	30	10.3	60	9	LONG-TERM ON-THE-JOB TRAINING
581	87311	CONCRETE AND TERRAZZO FINISHERS	1,580	1,850	270	17.1	140	9	LONG-TERM ON-THE-JOB TRAINING
582	87314	REINFORCING METAL WORKERS	120	130	10	8.3	20	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
583	87317	PLASTERERS AND STUCCO MASONS	2,160	2,770	610	28.2	440	9	LONG-TERM ON-THE-JOB TRAINING
584	87400	PAINTERS AND RELATED WORKERS	4,750	5,500	750	15.8	920		
585	87402	PAINTERS, PAPERHANGERS--CONST	4,750	5,500	750	15.8	920	10	MODERATE-TERM ON-THE-JOB TRAINING
586	87500	PLUMBERS AND RELATED WORKERS	3,560	4,050	490	13.8	360		
587	87502	PLUMBERS, PIPEFITTERS, STEAMFITTER	3,200	3,600	400	12.5	290	9	LONG-TERM ON-THE-JOB TRAINING
589	87508	PIPELAYERS	360	450	90	25	70	10	MODERATE-TERM ON-THE-JOB TRAINING
591	87600	CARPET, FLOOR INSTALLERS	900	1,020	120	13.3	160		
592	87602	CARPET INSTALLERS	670	750	80	11.9	110	10	MODERATE-TERM ON-THE-JOB TRAINING
593	87605	FLOOR LAYERS--EX CARPET, WOOD, TILES	230	270	40	17.4	50	10	MODERATE-TERM ON-THE-JOB TRAINING
595	87700	SELECTED ROAD, RAIL AND RELATED	1,530	1,870	340	22.2	300		
598	87708	PAVING, TAMPING-EQUIP OPERATORS	940	1,180	240	25.5	190	10	MODERATE-TERM ON-THE-JOB TRAINING
599	87711	HIGHWAY MAINTENANCE WORKERS	590	690	100	16.9	110	11	SHORT-TERM ON-THE-JOB TRAINING
601	87800	CONSTRUCTION TRADES, NEC	5,610	6,370	760	13.5	1,130		
602	87802	INSULATION WORKERS	420	470	50	11.9	100	10	MODERATE-TERM ON-THE-JOB TRAINING
603	87803	HAZARDOUS MATERIALS REMOVAL WORKER	690	780	90	13	120	7	POST-SECONDARY VOCATIONAL EDUCATION
604	87805	SHEET METAL DUCT INSTALLERS	120	150	30	25	20	10	MODERATE-TERM ON-THE-JOB TRAINING
605	87808	ROOFERS	1,450	1,580	130	9	360	10	MODERATE-TERM ON-THE-JOB TRAINING
606	87811	GLAZIERS	820	890	70	8.5	150	9	LONG-TERM ON-THE-JOB TRAINING
607	87814	STRUCTURAL METAL WORKERS	330	360	30	9.1	60	9	LONG-TERM ON-THE-JOB TRAINING
608	87817	FENCE ERECTORS	130	150	20	15.4	20	10	MODERATE-TERM ON-THE-JOB TRAINING
609	87899	CONSTRUCTION TRADES WORKERS, NEC	1,650	1,990	340	20.6	300	10	MODERATE-TERM ON-THE-JOB TRAINING
610	87900	EXTRACTIVE AND RELATED WORKERS	1,090	1,250	160	14.7	200		
623	87989	EXTRACTIVE WORKERS--EX HELPERS, NEC	120	150	30	25	20	10	MODERATE-TERM ON-THE-JOB TRAINING
624	87999	CONST, EXTRACTIVE--EX HELPERS, NEC	970	1,100	130	13.4	180	10	MODERATE-TERM ON-THE-JOB TRAINING
625	89000	PRODUCTION OCCUPATIONS, PRECISION	22,780	26,220	3,440	15.1	3,470		

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			1999 (2)	2006					
626	89100	METAL WORKERS, PRECISION	9,980	11,460	1,480	14.8	1,570		
627	89102	TOOL AND DIE MAKERS	1,120	1,250	130	11.6	150	9	LONG-TERM ON-THE-JOB TRAINING
629	89108	MACHINISTS	6,160	7,140	980	15.9	920	9	LONG-TERM ON-THE-JOB TRAINING
630	89111	TOOL GRINDERS, FILERS, SHARPENERS	430	500	70	16.3	80	9	LONG-TERM ON-THE-JOB TRAINING
634	89123	JEWELERS AND SILVERSMITHS	100	110	10	10	20	9	LONG-TERM ON-THE-JOB TRAINING
635	89126	HAND WORKERS--JEWELRY, PRECISION	100	130	30	30	20	9	LONG-TERM ON-THE-JOB TRAINING
637	89132	SHEET METAL WORKERS	1,880	2,100	220	11.7	340	10	MODERATE-TERM ON-THE-JOB TRAINING
639	89199	METAL WORKERS, NEC--PRECISION	190	230	40	21.1	40	9	LONG-TERM ON-THE-JOB TRAINING
640	89300	WOODWORKERS, PRECISION	2,170	2,410	240	11.1	210		
643	89308	WOOD MACHINISTS	470	520	50	10.6	40	9	LONG-TERM ON-THE-JOB TRAINING
644	89311	CABINETMAKERS AND BENCH CARPENTERS	1,370	1,510	140	10.2	110	9	LONG-TERM ON-THE-JOB TRAINING
645	89314	FURNITURE FINISHERS	330	380	50	15.2	60	9	LONG-TERM ON-THE-JOB TRAINING
647	89500	TEXTILE, APPAREL, FURNISHINGS,PREC	3,230	3,750	520	16.1	470		
648	89502	PATTERNMAKERS AND LAYOUT WORKERS	150	200	50	33.3	30	9	LONG-TERM ON-THE-JOB TRAINING
649	89505	CUSTOM TAILORS AND SEWERS	560	600	40	7.1	80	8	WORK EXPERIENCE
650	89508	UPHOLSTERERS	710	790	80	11.3	110	9	LONG-TERM ON-THE-JOB TRAINING
652	89514	SPOTTERS--DRY CLEANING	130	170	40	30.8	30	10	MODERATE-TERM ON-THE-JOB TRAINING
653	89517	PRESSERS--DELICATE FABRICS	1,460	1,740	280	19.2	190	9	LONG-TERM ON-THE-JOB TRAINING
655	89599	TEXT,APPAREL,FURNISHINGS,NEC--PREC	220	250	30	13.6	30	9	LONG-TERM ON-THE-JOB TRAINING
656	89700	PRINTING WORKERS, PRECISION	1,430	1,680	250	17.5	200		
657	89702	HAND COMPOSITORS AND TYPESETTERS	140	120	-20	-14.3	20	9	LONG-TERM ON-THE-JOB TRAINING
658	89705	JOB PRINTERS	320	360	40	12.5	50	9	LONG-TERM ON-THE-JOB TRAINING
660	89707	ELECTRONIC PAGINATION SYSTEM WKRS	310	520	210	67.7	50	9	LONG-TERM ON-THE-JOB TRAINING
664	89715	SCANNER OPERATORS	160	190	30	18.8	20	9	LONG-TERM ON-THE-JOB TRAINING
665	89717	STRIPPERS	320	290	-30	-9.4	40	9	LONG-TERM ON-THE-JOB TRAINING
666	89718	PLATEMAKERS	180	200	20	11.1	20	9	LONG-TERM ON-THE-JOB TRAINING
670	89800	FOOD WORKERS, PRECISION	430	510	80	18.6	60		
672	89805	BAKERS--MANUFACTURING	280	350	70	25	30	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
673	89808	FOOD BATCHMAKERS	150	160	10	6.7	30	9	LONG-TERM ON-THE-JOB TRAINING
675	89900	OTHER PRECISION WORKERS	5,540	6,410	870	15.7	960		
677	89905	MOLDERS, SHAPERS--EX JEWELRY	270	350	80	29.6	60	9	LONG-TERM ON-THE-JOB TRAINING
680	89914	PHOTOGRAPHIC PROCESS WKR,PRECISION	130	170	40	30.8	40	9	LONG-TERM ON-THE-JOB TRAINING
681	89917	OPTICAL GOODS WORKERS, PRECISION	580	710	130	22.4	60	9	LONG-TERM ON-THE-JOB TRAINING
682	89921	DENTAL LAB TECHNICIANS, PRECISION	1,030	1,040	10	1	140	9	LONG-TERM ON-THE-JOB TRAINING
683	89923	MEDICAL APPLIANCE MAKERS	250	300	50	20	40	9	LONG-TERM ON-THE-JOB TRAINING
685	89999	WORKERS, PRECISION--NEC	3,280	3,840	560	17.1	620	9	LONG-TERM ON-THE-JOB TRAINING
686	91000	MACH SETTERS, SET-UP, OPS, TENDERS	54,410	62,820	8,410	15.5	8,430		
687	91100	MACH TOOL CUTTING--METAL, PLASTIC	4,470	4,570	100	2.2	760		
688	91102	SAW MACH TOOL SETTERS--METAL,PLAST	110	130	20	18.2	20	10	MODERATE-TERM ON-THE-JOB TRAINING
689	91105	LATHE MACH SETTERS--METAL, PLASTIC	910	950	40	4.4	140	10	MODERATE-TERM ON-THE-JOB TRAINING
690	91108	DRILLING MACH SETTER--METAL,PLASTI	710	720	10	1.4	110	10	MODERATE-TERM ON-THE-JOB TRAINING
691	91111	MILLING MACH SETTERS--METAL,PLASTI	380	430	50	13.2	60	10	MODERATE-TERM ON-THE-JOB TRAINING
692	91114	GRINDING MACH SETTER--METAL,PLASTI	860	900	40	4.7	170	10	MODERATE-TERM ON-THE-JOB TRAINING
693	91117	MACH TOOL CUTTING OPS--METAL,PLAST	1,500	1,440	-60	-4	260	10	MODERATE-TERM ON-THE-JOB TRAINING
694	91300	MACH FORMING SETTERS--METAL,PLASTI	3,420	3,750	330	9.6	570		
695	91302	PUNCH MACH SETTERS--METAL, PLASTIC	650	680	30	4.6	90	10	MODERATE-TERM ON-THE-JOB TRAINING
696	91305	PRESS MACH SETTERS--METAL, PLASTIC	640	720	80	12.5	100	10	MODERATE-TERM ON-THE-JOB TRAINING
697	91308	SHEAR MACH SETTERS--METAL, PLASTIC	170	200	30	17.6	30	10	MODERATE-TERM ON-THE-JOB TRAINING
698	91311	EXTRUDING MACH SETTERS--METAL,PLAS	490	560	70	14.3	90	10	MODERATE-TERM ON-THE-JOB TRAINING
699	91314	ROLLING MACH SETTERS--METAL, PLAST	250	280	30	12	40	10	MODERATE-TERM ON-THE-JOB TRAINING
700	91317	FORGING MACH SETTERS--METAL, PLAST	160	190	30	18.8	30	10	MODERATE-TERM ON-THE-JOB TRAINING
701	91321	MACH FORMING OPS,TENDRS--MET, PLAS	1,060	1,120	60	5.7	190	10	MODERATE-TERM ON-THE-JOB TRAINING
702	91500	MACH TOOL SETTERS, OPS--METAL,PLAS	2,500	3,180	680	27.2	440		
703	91502	NUMERICAL MACH TOOL OPS--MET, PLAS	1,510	1,960	450	29.8	270	10	MODERATE-TERM ON-THE-JOB TRAINING
704	91505	COMB MACH TOOL SETTERS--MET, PLAST	350	440	90	25.7	60	10	MODERATE-TERM ON-THE-JOB TRAINING

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705	91508	COMB MACH TOOL OPS--METAL, PLASTIC	640	780	140	21.9	110	10	MODERATE-TERM ON-THE-JOB TRAINING
706	91700	METAL FABRICATING MACH SETTERS, OPS	1,290	1,490	200	15.5	230		
707	91702	WELDING MACH SETTERS, SET-UP OPS	230	260	30	13	40	10	MODERATE-TERM ON-THE-JOB TRAINING
708	91705	WELDING MACH OPERATORS AND TENDERS	650	750	100	15.4	120	10	MODERATE-TERM ON-THE-JOB TRAINING
710	91711	SOLDERING, BRAZING MACH OPS, TENDERS	200	250	50	25	40	10	MODERATE-TERM ON-THE-JOB TRAINING
711	91714	METAL FABRICATOR, STRUCT MET PRODS	210	230	20	9.5	30	10	MODERATE-TERM ON-THE-JOB TRAINING
712	91900	METAL, PLAST PROCESS MACH SETTERS	4,250	4,850	600	14.1	790		
713	91902	PLAST MOLDING, CASTING MACH SETTER	550	630	80	14.5	100	10	MODERATE-TERM ON-THE-JOB TRAINING
714	91905	PLASTIC MOLDING, CASTING MACH OPS	1,420	1,570	150	10.6	260	10	MODERATE-TERM ON-THE-JOB TRAINING
715	91908	METAL MOLDING, MACH SETTER, SET-UP	170	220	50	29.4	30	10	MODERATE-TERM ON-THE-JOB TRAINING
716	91911	METAL MOLDING MACH OPS AND TENDERS	420	510	90	21.4	80	10	MODERATE-TERM ON-THE-JOB TRAINING
718	91917	ELECTROLYTIC PLATING, MACH SETTER	380	430	50	13.2	70	10	MODERATE-TERM ON-THE-JOB TRAINING
719	91921	ELECTROLYTIC PLATING, MACH OPS	1,170	1,330	160	13.7	220	10	MODERATE-TERM ON-THE-JOB TRAINING
723	91932	HEAT TREATING MACH OPS, TENDERS	140	160	20	14.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
727	92100	METAL, PLAST MACH SETTERS, OPS NEC	2,010	2,410	400	19.9	390		
728	92197	CUT, FORM, FAB, PROC MACH SETTER	720	870	150	20.8	140	10	MODERATE-TERM ON-THE-JOB TRAINING
729	92198	CUT, FORM, FAB, PROCESS MACH OPS	1,290	1,540	250	19.4	250	10	MODERATE-TERM ON-THE-JOB TRAINING
730	92300	WOODWORKING MACH SETTERS, OPS	830	790	-40	-4.8	150		
731	92302	SAWING MACH SETTERS, SET-UP OPS	160	170	10	6.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
733	92308	SAWING MACH OPS AND TENDERS	340	320	-20	-5.9	70	10	MODERATE-TERM ON-THE-JOB TRAINING
734	92311	WOODWORK MACH SETTERS--EX SAWING	150	140	-10	-6.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING
735	92314	WOODWORK MACH OPS, TENDERS--EX SAWING	180	160	-20	-11.1	30	10	MODERATE-TERM ON-THE-JOB TRAINING
736	92500	PRINTING, BINDING, RELATED WORKERS	4,540	5,260	720	15.9	690		
738	92512	OFFSET LITHOGRAPHIC PRESS SETTERS	580	570	-10	-1.7	90	10	MODERATE-TERM ON-THE-JOB TRAINING
742	92524	SCREEN PRINT MACH SETTERS, SET-UP	850	1,010	160	18.8	140	10	MODERATE-TERM ON-THE-JOB TRAINING
743	92525	BINDERY MACH SETTERS, SET-UP OPS	290	340	50	17.2	40	10	MODERATE-TERM ON-THE-JOB TRAINING
744	92529	PRINT REL SETTERS, SET-UP OPS, NEC	150	180	30	20	20	10	MODERATE-TERM ON-THE-JOB TRAINING
746	92543	PRINTING PRESS MACHINE OPS, TENDER	1,570	1,800	230	14.6	260	10	MODERATE-TERM ON-THE-JOB TRAINING

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LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
748	92546	BINDERY MACHINE OPERATORS	610	790	180	29.5	80	10	MODERATE-TERM ON-THE-JOB TRAINING
749	92549	PRINT, BINDING, REL MACH OPS, TNDR	490	570	80	16.3	60	10	MODERATE-TERM ON-THE-JOB TRAINING
750	92700	TEXTILE, RELATED SETTERS, OPS	13,400	15,430	2,030	15.1	1,590		
751	92702	TEXTILE MACH SETTERS, SET-UP OPS	200	250	50	25	30	10	MODERATE-TERM ON-THE-JOB TRAINING
752	92705	TEXTILE OPS, TNDRS--WIND, TWIST, KNIT	2,420	2,720	300	12.4	300	10	MODERATE-TERM ON-THE-JOB TRAINING
755	92714	TEXTILE BLEACHING, DYEING MACH OPS	970	1,190	220	22.7	120	10	MODERATE-TERM ON-THE-JOB TRAINING
756	92717	SEWING MACHINE OPERATORS--GARMENT	5,640	6,250	610	10.8	560	10	MODERATE-TERM ON-THE-JOB TRAINING
757	92721	SEWING MACHINE OPS--NON-GARMENT	2,120	2,470	350	16.5	220	10	MODERATE-TERM ON-THE-JOB TRAINING
759	92726	LNDRY, DRYCLEAN MACH OPS--EX PRESS	1,440	1,810	370	25.7	280	10	MODERATE-TERM ON-THE-JOB TRAINING
760	92728	PRESSING MACH OPS--TEXTILE, GARMEN	610	740	130	21.3	80	10	MODERATE-TERM ON-THE-JOB TRAINING
761	92900	MACH SETTER, SET-UP, OP--EX MET, PLAS	17,700	21,090	3,390	19.2	2,820		
762	92902	ELECTRONIC SEMICONDUCTOR PROCESSOR	770	990	220	28.6	90	10	MODERATE-TERM ON-THE-JOB TRAINING
764	92908	PHOTOGRAPHIC PROC MACH OPS, TNDRS	640	690	50	7.8	190	11	SHORT-TERM ON-THE-JOB TRAINING
766	92914	PAPER GOODS MACH SETTERS, SET-UP OP	380	410	30	7.9	60	10	MODERATE-TERM ON-THE-JOB TRAINING
767	92917	COOKING MACH OPS, TNDRS-FOOD, TOBACC	270	270	0	0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
772	92932	DAIRY PROC EQUIP OPRS--INC SETTERS	140	140	0	0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
773	92935	CHEMICAL EQUIP CONTROLLERS, OPS	230	280	50	21.7	40	10	MODERATE-TERM ON-THE-JOB TRAINING
775	92941	CUT, SLICING MACH SETTERS, SET-UP	470	550	80	17	90	10	MODERATE-TERM ON-THE-JOB TRAINING
776	92944	CUTTING, SLICING MACH OPS, TNDRS	420	490	70	16.7	80	10	MODERATE-TERM ON-THE-JOB TRAINING
777	92947	PAINTERS, TRANSPORTATION EQUIP	360	420	60	16.7	60	10	MODERATE-TERM ON-THE-JOB TRAINING
778	92951	PAINT, COAT & SPRAY MACH SETTERS	420	490	70	16.7	70	10	MODERATE-TERM ON-THE-JOB TRAINING
779	92953	PAINTING, REL MACH OPS, TENDERS	1,010	1,170	160	15.8	170	10	MODERATE-TERM ON-THE-JOB TRAINING
780	92956	CEMENTING, GLUING MACH OPS, TENDERS	170	160	-10	-5.9	30	10	MODERATE-TERM ON-THE-JOB TRAINING
781	92958	CLEANING, PICKLING EQUIP OPS, TNDRS	280	320	40	14.3	50	10	MODERATE-TERM ON-THE-JOB TRAINING
782	92962	SEPARATING, STILL MACH OPS, TNDRS	180	200	20	11.1	30	10	MODERATE-TERM ON-THE-JOB TRAINING
783	92965	CRUSHING, MIXING MACH OPS, TNDRS	950	1,060	110	11.6	170	10	MODERATE-TERM ON-THE-JOB TRAINING
784	92968	EXTRUDING, FORMING, SETTERS, SET-U	260	300	40	15.4	50	10	MODERATE-TERM ON-THE-JOB TRAINING
785	92971	EXTRUDING, FORMING MACH OPS, TNDRS	480	550	70	14.6	90	10	MODERATE-TERM ON-THE-JOB TRAINING
786	92974	PACKAGING, FILLING MACH OPS, TNDRS	3,810	4,570	760	19.9	770	10	MODERATE-TERM ON-THE-JOB TRAINING
787	92997	MACHINE SETTERS & SET-UP OPS, NEC	1,800	2,230	430	23.9	200	10	MODERATE-TERM ON-THE-JOB TRAINING
788	92998	MACHINE OPERATORS AND TENDERS, NEC	4,660	5,800	1,140	24.5	530	10	MODERATE-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
ORANGE COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
789	93000	ASSEMBLERS AND FABRICATORS--HAND	40,860	48,750	7,890	19.3	6,670		
790	93100	ASSEMBLERS, PRECISION	6,240	7,280	1,040	16.7	1,060		
792	93105	MACH BLDG, OTH PREC MACH ASSEMBLER	730	910	180	24.7	140	8	WORK EXPERIENCE
794	93111	ELECTROMECH EQUIP ASSEMBLERS--PREC	1,700	2,090	390	22.9	290	8	WORK EXPERIENCE
795	93114	ELECTRICAL EQUIP ASSEMBLERS--PREC	2,970	3,280	310	10.4	470	8	WORK EXPERIENCE
797	93197	ASSEMBLERS, NEC--PRECISION	840	1,000	160	19	160	8	WORK EXPERIENCE
798	93900	OTHER HAND WORKERS	34,620	41,470	6,850	19.8	5,610		
799	93902	MACHINE ASSEMBLERS	690	870	180	26.1	100	11	SHORT-TERM ON-THE-JOB TRAINING
800	93905	ELECTRICAL, ELECTRONIC ASSEMBLERS	4,160	4,890	730	17.5	560	11	SHORT-TERM ON-THE-JOB TRAINING
801	93908	COIL WINDERS, TAPERS, FINISHERS	180	220	40	22.2	30	11	SHORT-TERM ON-THE-JOB TRAINING
803	93914	WELDERS AND CUTTERS	2,320	2,840	520	22.4	450	7	POST-SECONDARY VOCATIONAL EDUCATION
804	93917	SOLDERERS AND BRAZERS	450	520	70	15.6	80	11	SHORT-TERM ON-THE-JOB TRAINING
805	93921	PRESSERS--HAND	220	260	40	18.2	50	11	SHORT-TERM ON-THE-JOB TRAINING
806	93923	SEWERS--HAND	180	220	40	22.2	30	11	SHORT-TERM ON-THE-JOB TRAINING
807	93926	CUTTERS AND TRIMMERS--HAND	1,020	1,130	110	10.8	170	11	SHORT-TERM ON-THE-JOB TRAINING
813	93944	MOLDERS AND CASTERS--HAND	130	160	30	23.1	20	11	SHORT-TERM ON-THE-JOB TRAINING
814	93947	PAINTING, COATING, DECORATING--HAN	890	1,160	270	30.3	170	11	SHORT-TERM ON-THE-JOB TRAINING
815	93951	ENGRAVING, PRINTING WORKERS--HAND	210	240	30	14.3	40	11	SHORT-TERM ON-THE-JOB TRAINING
816	93953	GRINDING, POLISHING WORKERS--HAND	1,360	1,570	210	15.4	280	11	SHORT-TERM ON-THE-JOB TRAINING
817	93956	ASSEMB, FABRICATORS--EX MACH,ELECT	15,570	18,370	2,800	18	2,100	11	SHORT-TERM ON-THE-JOB TRAINING
818	93999	HAND WORKERS, NEC	7,240	9,020	1,780	24.6	1,530	11	SHORT-TERM ON-THE-JOB TRAINING
819	95000	PLANT AND SYSTEM OCCUPATIONS	3,060	3,730	670	21.9	680		
820	95002	WATER TREATMENT PLANT OPERATORS	920	990	70	7.6	150	9	LONG-TERM ON-THE-JOB TRAINING
822	95008	CHEMICAL PLANT, SYSTEM OPERATORS	330	420	90	27.3	80	9	LONG-TERM ON-THE-JOB TRAINING
826	95021	POWER PLANT OPS--EX AUXILIARY EQUI	120	130	10	8.3	30	9	LONG-TERM ON-THE-JOB TRAINING
830	95032	STATIONARY ENGINEERS	150	160	10	6.7	20	9	LONG-TERM ON-THE-JOB TRAINING
831	95099	PLANT AND SYSTEM OPERATORS, NEC	1,540	2,030	490	31.8	400	9	LONG-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
ORANGE COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
832	97000	TRANS, MATERIAL MOVING MACHINE OPS	41,750	50,420	8,670	20.8	5,400		
833	97100	MOTOR VEHICLE OPERATORS	29,850	35,750	5,900	19.8	3,570		
834	97102	TRUCK DRIVERS, HEAVY	6,670	8,300	1,630	24.4	740	11	SHORT-TERM ON-THE-JOB TRAINING
835	97105	TRUCK DRIVERS, LIGHT	12,490	15,640	3,150	25.2	1,400	11	SHORT-TERM ON-THE-JOB TRAINING
836	97108	BUS DRIVERS	3,080	3,210	130	4.2	390	10	MODERATE-TERM ON-THE-JOB TRAINING
837	97111	BUS DRIVERS--SCHOOL	3,510	4,020	510	14.5	470	11	SHORT-TERM ON-THE-JOB TRAINING
838	97114	TAXI DRIVERS AND CHAUFFEURS	520	580	60	11.5	60	11	SHORT-TERM ON-THE-JOB TRAINING
839	97117	DRIVER/SALES WORKERS	2,810	3,170	360	12.8	410	11	SHORT-TERM ON-THE-JOB TRAINING
840	97199	MOTOR VEHICLE OPERATORS, NEC	770	830	60	7.8	100	11	SHORT-TERM ON-THE-JOB TRAINING
857	97700	AIR TRANSPORTATION WORKERS	240	270	30	12.5	40		
858	97702	AIRCRAFT PILOTS, FLIGHT ENGINEERS	240	270	30	12.5	40	9	LONG-TERM ON-THE-JOB TRAINING
859	97800	MISC TRANSPORTATION WORKERS	3,730	4,470	740	19.8	750		
861	97805	SERVICE STATION ATTENDANTS	1,230	1,350	120	9.8	410	11	SHORT-TERM ON-THE-JOB TRAINING
862	97808	PARKING LOT ATTENDANTS	940	1,280	340	36.2	130	11	SHORT-TERM ON-THE-JOB TRAINING
863	97899	TRANS AND RELATED WORKERS, NEC	1,560	1,840	280	17.9	210	10	MODERATE-TERM ON-THE-JOB TRAINING
864	97900	MATERIAL MOVEMENT EQUIP OPERATORS	7,930	9,930	2,000	25.2	1,040		
872	97923	EXCAVATING, LOADING MACHINE OPS	230	310	80	34.8	40	10	MODERATE-TERM ON-THE-JOB TRAINING
877	97938	GRADER, DOZER, SCRAPER OPERATORS	410	530	120	29.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
879	97944	CRANE AND TOWER OPERATORS	110	130	20	18.2	20	10	MODERATE-TERM ON-THE-JOB TRAINING
880	97947	INDUSTRIAL TRUCK,TRACTOR OPERATORS	3,490	4,290	800	22.9	320	11	SHORT-TERM ON-THE-JOB TRAINING
881	97951	CONVEYOR OPERATORS AND TENDERS	270	320	50	18.5	50	10	MODERATE-TERM ON-THE-JOB TRAINING
883	97956	OPERATING ENGINEERS	1,200	1,470	270	22.5	170	10	MODERATE-TERM ON-THE-JOB TRAINING
884	97989	MATERIAL MOVING EQUIP OPS, NEC	1,990	2,600	610	30.7	370	10	MODERATE-TERM ON-THE-JOB TRAINING
885	97999	TRANS, MAT MOVING EQUIP OPS, NEC	230	280	50	21.7	40	10	MODERATE-TERM ON-THE-JOB TRAINING
886	98000	HELPERS, LABORERS, HAND--EX AG	48,250	57,360	9,110	18.9	12,510		

Table 6
Occupational Employment Projections (1)
1999 - 2006
ORANGE COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
887	98100	MECHANIC AND REPAIRER HELPERS	2,690	3,280	590	21.9	960		
888	98102	MECHANIC AND REPAIRER HELPERS, NEC	2,690	3,280	590	21.9	960	11	SHORT-TERM ON-THE-JOB TRAINING
889	98300	CONST TRADES, EXTRACTIVE--HELPERS	6,920	8,050	1,130	16.3	2,400		
890	98311	HELPERS--BRICK,STONE MASONS	690	820	130	18.8	250	11	SHORT-TERM ON-THE-JOB TRAINING
891	98312	HELPERS--CARPENTERS AND RELATED	2,280	2,660	380	16.7	810	11	SHORT-TERM ON-THE-JOB TRAINING
892	98313	HELPERS--ELECT, POWERLINE INSTALL	280	270	-10	-3.6	90	11	SHORT-TERM ON-THE-JOB TRAINING
893	98314	HELPERS--PAINTERS AND RELATED	660	770	110	16.7	230	11	SHORT-TERM ON-THE-JOB TRAINING
894	98315	HELPERS--PLUMBERS AND RELATED	670	770	100	14.9	240	11	SHORT-TERM ON-THE-JOB TRAINING
895	98316	HELPERS--ROOFERS	200	230	30	15	70	11	SHORT-TERM ON-THE-JOB TRAINING
896	98319	HELPERS--CONSTRUCTION TRADES, NEC	1,830	2,180	350	19.1	650	11	SHORT-TERM ON-THE-JOB TRAINING
897	98323	HELPERS--EXTRACTIVE WORKERS	160	190	30	18.8	60	11	SHORT-TERM ON-THE-JOB TRAINING
898	98399	HELPERS-CONST TRDS & EXTRCT WRKRS	150	160	10	6.7	0		
899	98500	MACHINE FEEDERS AND OFFBEARERS	1,870	2,120	250	13.4	430		
900	98502	MACHINE FEEDERS AND OFFBEARERS,NEC	1,870	2,120	250	13.4	430	11	SHORT-TERM ON-THE-JOB TRAINING
901	98700	FREIGHT, STOCK, MAT MOVERS, HAND	8,270	9,600	1,330	16.1	2,430		
903	98705	REFUSE COLLECTORS	930	940	10	1.1	270	11	SHORT-TERM ON-THE-JOB TRAINING
904	98799	FREIGHT, MATERIAL MOVERS-HAND, NEC	7,340	8,660	1,320	18	2,160	11	SHORT-TERM ON-THE-JOB TRAINING
905	98900	MISC HELPERS, LABORERS--HAND	28,500	34,310	5,810	20.4	6,290		
906	98902	HAND PACKERS AND PACKAGERS	10,470	13,200	2,730	26.1	2,050	11	SHORT-TERM ON-THE-JOB TRAINING
907	98905	VEHICLE WASHERS, EQUIP CLEANERS	3,670	4,220	550	15	870	11	SHORT-TERM ON-THE-JOB TRAINING
908	98999	MISC HELPERS, LABORERS--HAND, NEC	14,360	16,890	2,530	17.6	3,370	11	SHORT-TERM ON-THE-JOB TRAINING
909		OCCUPATIONS NOT CLASSIFIED	60	60	0	0	0	12	NOT CLASSIFIED

(1) Employment and projections contained in these tables are considered estimates. See introduction for an explanation of data limitations.

(2) March 2000 Benchmark

Table 7
Occupations With The Most Openings (1)
(Growth plus Separations)
1999 - 2006
ORANGE COUNTY

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
49011	SALESPERSONS, RETAIL	19,480	11	SHORT-TERM ON-THE-JOB TRAINING
49023	CASHIERS	14,530	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVE	13,250	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
65008	WAITERS AND WAITRESSES	13,140	11	SHORT-TERM ON-THE-JOB TRAINING
55347	GENERAL OFFICE CLERKS	12,860	11	SHORT-TERM ON-THE-JOB TRAINING
67005	JANITORS, CLEANERS--EXCEPT MAID	10,280	11	SHORT-TERM ON-THE-JOB TRAINING
65041	COMBINED FOOD PREP AND SERVICE	9,070	11	SHORT-TERM ON-THE-JOB TRAINING
79041	LABORERS, LANDSCAPING/GROUNDSKEEPING	8,770	11	SHORT-TERM ON-THE-JOB TRAINING
65038	FOOD PREPARATION WORKERS	5,900	11	SHORT-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	5,830	11	SHORT-TERM ON-THE-JOB TRAINING
55305	RECEPTIONISTS, INFORMATION CLERKS	5,790	11	SHORT-TERM ON-THE-JOB TRAINING
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESSING	5,500	5	BACHELOR'S DEGREE
49008	SALES REPS, NON-SCIENTIFIC EX R	5,090	10	MODERATE-TERM ON-THE-JOB TRAINING
93956	ASSEMB, FABRICATORS--EX MACH,EL	4,900	11	SHORT-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	4,780	11	SHORT-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	4,710	5	BACHELOR'S DEGREE
97105	TRUCK DRIVERS, LIGHT	4,550	11	SHORT-TERM ON-THE-JOB TRAINING
25104	COMPUTER SUPPORT SPECIALISTS	4,440	5	BACHELOR'S DEGREE
31305	TEACHERS--ELEMENTARY SCHOOL	4,320	5	BACHELOR'S DEGREE
55108	SECRETARIES, GENERAL	4,260	7	POST-SECONDARY VOCATIONAL EDUCATION
25105	COMPUTER PROGRAMMERS	3,920	5	BACHELOR'S DEGREE
55338	BOOKKEEPING, ACCOUNTING CLERKS	3,730	10	MODERATE-TERM ON-THE-JOB TRAINING
85132	MAINT REPAIRERS, GENL UTILITY	3,700	9	LONG-TERM ON-THE-JOB TRAINING
32502	REGISTERED NURSES	3,620	6	ASSOCIATE DEGREE
65026	COOKS--RESTAURANT	3,420	9	LONG-TERM ON-THE-JOB TRAINING

Table 7
Occupations With The Most Openings (1)
(Growth plus Separations)
1999 - 2006
ORANGE COUNTY

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
49026	TELEMARKETERS, SOLICITORS & RELATED	3,280	11	SHORT-TERM ON-THE-JOB TRAINING
53508	BILL AND ACCOUNT COLLECTORS	3,180	11	SHORT-TERM ON-THE-JOB TRAINING
58028	TRAFFIC, SHIPPING, RECEIVING CLERKS	3,180	11	SHORT-TERM ON-THE-JOB TRAINING
87102	CARPENTERS	3,180	9	LONG-TERM ON-THE-JOB TRAINING
49017	COUNTER AND RENTAL CLERKS	3,060	11	SHORT-TERM ON-THE-JOB TRAINING
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	2,990	11	SHORT-TERM ON-THE-JOB TRAINING
21114	ACCOUNTANTS AND AUDITORS	2,820	5	BACHELOR'S DEGREE
22127	COMPUTER ENGINEERS	2,740	5	BACHELOR'S DEGREE
49005	SALES REPS, SCIENTIFIC--EX RETAIL	2,740	10	MODERATE-TERM ON-THE-JOB TRAINING
13017	ENGINEER, MATH, AND NAT SCI MGR	2,590	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
13011	MKTNG, ADV, PUB-REL MANAGERS	2,530	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
22126	ELECT AND ELECTRONIC ENGINEERS	2,470	5	BACHELOR'S DEGREE
81008	FIRST-LINE SUP/MGR-PRODUCTION	2,380	8	WORK EXPERIENCE
97102	TRUCK DRIVERS, HEAVY	2,370	11	SHORT-TERM ON-THE-JOB TRAINING
49021	STOCK CLERKS--SALES FLOOR	2,340	11	SHORT-TERM ON-THE-JOB TRAINING
13002	FINANCIAL MANAGERS	2,240	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
85302	AUTOMOTIVE MECHANICS	2,190	9	LONG-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	2,120	6	ASSOCIATE DEGREE
67002	MAIDS AND HOUSEKEEPING CLEANERS	2,090	11	SHORT-TERM ON-THE-JOB TRAINING
65017	COUNTER ATTENDANTS--FOOD	2,060	11	SHORT-TERM ON-THE-JOB TRAINING
66005	MEDICAL ASSISTANTS	2,030	10	MODERATE-TERM ON-THE-JOB TRAINING
43017	SALES AGENTS--SEL BUS SERVICES	2,010	10	MODERATE-TERM ON-THE-JOB TRAINING
65002	HOSTS, HOSTESSES--RESTAURANTS	1,950	11	SHORT-TERM ON-THE-JOB TRAINING
65032	COOKS--SPECIALTY FAST FOOD	1,950	11	SHORT-TERM ON-THE-JOB TRAINING
89108	MACHINISTS	1,900	9	LONG-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		242,230		

(1) Excludes not elsewhere classified (NEC) categories.

Table 8
Occupations With Projected Declines (1)
1999 - 2006
ORANGE COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF JOB DECLINES	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
		1999(2)	2006				
55307	TYPISTS, INCLUDING WORD PROCESS	4,610	4,130	-480	600	10	MODERATE-TERM ON-THE-JOB TRAINING
56011	COMPUTER OPS--EX PERIPHERAL EQUIP	2,120	1,920	-200	200	10	MODERATE-TERM ON-THE-JOB TRAINING
65023	BUTCHERS AND MEAT CUTTERS	1,920	1,820	-100	310	9	LONG-TERM ON-THE-JOB TRAINING
56014	PERIPHERAL EDP EQUIPMENT OPERATOR	550	450	-100	50	10	MODERATE-TERM ON-THE-JOB TRAINING
85726	STATION INSTALLERS--TELEPHONE	460	390	-70	100	7	POST-SEC VOCATIONAL EDUCATION
91117	MACH TOOL CUTTING OPS--METAL, PL	1,500	1,440	-60	260	10	MODERATE-TERM ON-THE-JOB TRAINING
57102	SWITCHBOARD OPERATORS	2,090	2,040	-50	320	11	SHORT-TERM ON-THE-JOB TRAINING
57105	DIRECTORY ASSISTANCE OPERATORS	320	270	-50	50	10	MODERATE-TERM ON-THE-JOB TRAINING
53911	PROOFREADERS AND COPY MARKERS	540	500	-40	110	11	SHORT-TERM ON-THE-JOB TRAINING
89717	STRIPPERS	320	290	-30	40	9	LONG-TERM ON-THE-JOB TRAINING
56021	DATA KEYERS--COMPOSING	260	230	-30	10	7	POST-SEC VOCATIONAL EDUCATION
56002	BILLING, POSTING, CALC MACHINE	1,010	990	-20	140	11	SHORT-TERM ON-THE-JOB TRAINING
92308	SAWING MACH OPS AND TENDERS	340	320	-20	70	10	MODERATE-TERM ON-THE-JOB TRAINING
53111	LOAN INTERVIEWERS	350	330	-20	30	11	SHORT-TERM ON-THE-JOB TRAINING
92314	WOODWORK MACH OPS, TNDRS--EX SAW	180	160	-20	30	10	MODERATE-TERM ON-THE-JOB TRAINING
89702	HAND COMPOSITORS AND TYPESETTER	140	120	-20	20	9	LONG-TERM ON-THE-JOB TRAINING
92512	OFFSET LITHOGRAPHIC PRESS SETTE	580	570	-10	90	10	MODERATE-TERM ON-THE-JOB TRAINING
98313	HELPERS--ELECT, POWERLINE INSTA	280	270	-10	90	11	SHORT-TERM ON-THE-JOB TRAINING
22311	SURVEYING AND MAPPING SCIENTIST	370	360	-10	60	5	BACHELOR'S DEGREE
85708	ELECT HOME ENTERTAINMENT REPAIR	230	220	-10	50	7	POST-SEC VOCATIONAL EDUCATION
53502	WELFARE ELIG WORKERS, INTERVIEW	170	160	-10	30	10	MODERATE-TERM ON-THE-JOB TRAINING
92956	CEMENTING, GLUING MACH OPS, TEND	170	160	-10	30	10	MODERATE-TERM ON-THE-JOB TRAINING
92311	WOODWORK MACH SETTERS--EX SAWIN	150	140	-10	20	10	MODERATE-TERM ON-THE-JOB TRAINING
28308	TITLE SEARCHERS	120	110	-10	10	10	MODERATE-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		18,780	17,390	-1,390	2,720		

(1) Excludes not elsewhere classified (NEC) categories.

(2) March 2000 Benchmark

Appendix

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ABLE SEAMEN	854	97514
ACCOUNTANTS AND AUDITORS	30	21114
ACCOUNTANTS, AUDIT, FINANCE SPECIALISTS	25	21100
ACTUARIES	114	25313
ADJUDICATORS, JUDICIAL REVIEWERS	137	28105
ADJUSTMENT CLERKS	309	53123
ADMINISTRATIVE SERVICES MANAGERS	7	13014
ADVERTISING CLERKS	333	53908
AERONAUT, ASTRONAUTICAL ENGINEERS	53	22102
AGRICULTURE, FORESTRY, FISHING--NEC	489	79999
AGRICULTURAL SCIENCES TEACHERS, POSTSECONDARY	150	31201
AGRICULTURAL AND FOOD SCIENTISTS	91	24305
AGRICULTURAL ENGINEERS	60	22123
AGRICULTURAL, FORESTRY, FISHING	466	70000
AIR DISPATCHERS, AIR TRAFFIC CONTROLLER	267	39002
AIR HAMMER OPERATORS	596	87702
AIR TRANSPORTATION WORKERS	857	97700
AIRCRAFT ASSEMBLERS--PRECISION	791	93102
AIRCRAFT ENGINE SPECIALISTS	525	85326
AIRCRAFT MECHANICS	524	85323
AIRCRAFT PILOTS, FLIGHT ENGINEERS	858	97702
AMBULANCE DRIVERS & ATTENDANTS, EX EMER MED TECHS	440	66023
AMUSEMENT, RECREATION ATTENDANTS	454	68014
ANIMAL BREEDERS	479	79015
ANIMAL CARETAKERS--EXCEPT FARM	481	79017
ANIMAL TRAINERS	480	79016
ANNOUNCERS--EX RADIO, TELEVISION	252	34021
ANNOUNCERS--RADIO AND TELEVISION	251	34017
ANTHRO & SOCIOLOGY TEACHERS, POSTSECONDARY	166	31231
APPRAISERS--REAL ESTATE	279	43011
ARCHITECTS AND SURVEYORS	68	22300
ARCHITECTS--EX LANDSCAPE, MARINE	69	22302
ARCHITECTURE TEACHERS, POSTSECONDARY	162	31223
AREA, ETHNIC, & CULT STUDIES TEACHERS, POSTSECONDARY	167	31232
ART, DRAMA, MUSIC TEACHERS, POSTSECONDARY	160	31218
ARTISTS AND RELATED WORKERS	257	34035
ASSEMB, FABRICATORS--EX MACH, ELECT, PRECISION	817	93956
ASSEMBLERS AND FABRICATORS--HAND WORKING	789	93000
ASSEMBLERS, NEC--PRECISION	797	93197
ASSEMBLERS, PRECISION	790	93100
ASSESSORS	48	21917
ATHLETES, COACHES, UMPIRERS, RELATED	265	34058
ATMOSPHERIC AND SPACE SCIENTISTS	86	24108
AUDIO-VISUAL SPECIALISTS	198	31508
AUTOMOTIVE BODY, RELATED REPAIRERS	518	85305
AUTOMOTIVE MECHANICS	517	85302
AUXILIARY EQUIPMENT OPERATORS--POWER	827	95023
BAGGAGE PORTERS AND BELLHOPS	457	68023
BAILIFFS	406	63023
BAKERS--BREAD AND PASTRY	423	65021

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
BAKERS--MANUFACTURING	672	89805
BANKING, SECURITY, FINANCE, CREDIT	301	53100
BARBERS	450	68002
BARTENDERS	418	65005
BICYCLE REPAIRERS	563	85951
BILL AND ACCOUNT COLLECTORS	321	53508
BILLING, COST, AND RATE CLERKS	355	55344
BILLING, POSTING, CALCULATING MACHINE OPERATORS	358	56002
BINDERY MACH SETTERS, SET-UP OPERATORS	743	92525
BINDERY MACHINE OPERATORS	748	92546
BIOLOGICAL SCIENTISTS	92	24308
BIOLOGICAL, AGRICULTURAL &, FOOD TECHS EX HEALTH	96	24502
BLASTERS AND EXPLOSIVES WORKERS	612	87905
BOILER OPS, TENDERS--LOW PRESSURE	770	92926
BOILERMAKERS	638	89135
BOOKBINDERS	668	89721
BOOKKEEPING, ACCOUNTING CLERKS	353	55338
BRATTICE BUILDERS	574	87121
BRICK MASONS	578	87302
BRIDGE, LOCK, LIGHTHOUSE TENDERS	860	97802
BROADCAST NEWS ANALYSTS	250	34014
BROADCAST TECHNICIANS	255	34028
BROKERAGE CLERKS	311	53128
BROKERS--REAL ESTATE	277	43005
BUDGET ANALYSTS	31	21117
BUS AND TRUCK MECHANICS	520	85311
BUS DRIVERS	836	97108
BUS DRIVERS--SCHOOL	837	97111
BUSINESS TEACHERS, POSTSECONDARY	174	31242
BUTCHERS AND MEAT CUTTERS	424	65023
CABINETMAKERS AND BENCH CARPENTERS	644	89311
CAMERA OPERATORS	663	89713
CAMERA OPS--TV AND MOTION PICTURE	254	34026
CAMERA, PHOTOGRAPHIC EQUIPMENT REPAIRERS	552	85914
CANNERY WORKERS	810	93935
CAPTAINS--WATER VESSEL	850	97502
CARDIOLOGY TECHNOLOGISTS	239	32925
CARPENTERS	569	87102
CARPENTERS AND RELATED WORKERS	568	87100
CARPET CUTTERS, DIAGRAMMERS, SEAMERS	809	93932
CARPET INSTALLERS	592	87602
CARPET, FLOOR INSTALLERS	591	87600
CASHIERS	293	49023
CEILING TILE INSTALLERS	570	87105
CEMENTING, GLUING MACHINE OPERATORS, TENDERS	780	92956
CENTRAL OFFICE AND PBX INSTALLERS	529	85502
CENTRAL OFFICE OPERATORS	370	57108
CHEMICAL TECHNICIANS & TECHNOLOGISTS--EX HEALTH	97	24505
CHEMICAL ENGINEERS	57	22114
CHEMICAL EQUIPMENT CONTROLLERS, OPERATORS	773	92935

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
CHEMICAL EQUIPMENT TENDERS	774	92938
CHEMICAL PLANT, SYSTEM OPERATORS	822	95008
CHEMISTRY TEACHERS, POSTSECONDARY	152	31204
CHEMISTS, EXCEPT BIOCHEMISTS	85	24105
CHILD CARE WORKERS	462	68038
CHIROPRACTORS	209	32113
CHOKE SETTERS	471	73005
CIVIL ENGINEERING TECHNICIANS	74	22502
CIVIL ENGINEERS--INCLUDING TRAFFIC	59	22121
CLAIMS EXAMINERS--INSURANCE	49	21921
CLAIMS TAKERS--UNEMPLOYMENT BENEFITS	38	21502
CLEANING, BUILDING SERVICE--EX PRIVATE HOUSES	443	67000
CLEANING, BUILDING SERVICE--EX PRIVATE HOUSES, NEC	448	67099
CLEANING, PICKLING EQUIPMENT OPERATORS, TENDERS	781	92958
CLERGY	131	27502
CLERICAL & ADMINISTRATIVE SUPPORT WORKERS, NEC	391	59999
CLERICAL, ADMINISTRATIVE SUPPORT, NEC	390	59000
CLERICAL, ADMINISTRATIVE SUPPORT	298	50000
COIL WINDERS, TAPERS, FINISHERS	801	93908
COIN, VENDING MACHINE SERVICERS	562	85947
COMB MACHINE TOOL OPERATORS--METAL, PLASTIC	705	91508
COMB MACHINE TOOL SETTERS--METAL, PLASTIC	704	91505
COMBINED FOOD PREPARATION AND SERVICE	430	65041
COMM EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	528	85500
COMM EQUIPMENT MECHANICS, INSTALLERS, & REPAIR, NEC	534	85599
COMM, TRANSPORTATION, UTILITIES OPERATIONS MGRS	16	15023
COMMUNICATION EQUIPMENT OPERATORS, NEC	372	57199
COMMUNICATION EQUIPMENT OPERATORS	367	57100
COMMUNICATIONS TEACHERS, POSTSECONDARY	157	31213
COMMUNICATIONS, MAIL DISTRIBUTION	366	57000
COMPLIANCE OFFICERS, ENFORCE INSPECT--EX CONSTRUCTION	46	21911
COMPUTER ENGINEERS	62	22127
COMPUTER OPERATORS--EX PERIPHERAL EQUIPMENT	361	56011
COMPUTER PROGRAMMER AIDES	107	25108
COMPUTER PROGRAMMERS	106	25105
COMPUTER SCIENCE TEACHERS, POSTSECONDARY	164	31226
COMPUTER SCIENTISTS AND RELATED	102	25100
COMPUTER SCIENTISTS, RELATED WORKERS, NEC	109	25199
COMPUTER SUPPORT SPECIALISTS	105	25104
COMPUTER, MATHEMATICAL, OPS RESEARCH, & RELATED	101	25000
CONCRETE AND TERRAZZO FINISHERS	581	87311
CONSTRUCTION AND BUILDING INSPECTORS	45	21908
CONSTRUCTION TRADES, EXTRACTIVE--HELPERS	889	98300
CONSTRUCTION, EXTRACTIVE--EX HELPERS, NEC	624	87999
CONSTRUCTION MANAGERS	14	15017
CONSTRUCTION TRADES	567	87000
CONSTRUCTION TRADES WORKERS, NEC	609	87899
CONSTRUCTION TRADES, NEC	601	87800
CONTINUOUS MINING MACHINE OPERATOR	620	87941
CONVEYOR OPERATORS AND TENDERS	881	97951

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
COOKING MACHINE OPS,TENDERS-FOOD,TOBACCO	767	92917
COOKS--INSTITUTION OR CAFETERIA	426	65028
COOKS--RESTAURANT	425	65026
COOKS--SHORT ORDER	428	65035
COOKS--SPECIALTY FAST FOOD	427	65032
COOLING, FREEZING EQUIPMENT OPERATORS, TENDERS	771	92928
CORRECTION OFFICERS, JAILERS	404	63017
CORRECTIVE, MANUAL ARTS THERAPISTS	216	32311
CORRESPONDENCE CLERKS	346	55317
COST ESTIMATORS	43	21902
COUNTER AND RENTAL CLERKS	291	49017
COUNTER ATTENDANTS--FOOD	422	65017
COURT CLERKS	323	53702
CRANE AND TOWER OPERATORS	879	97944
CREDIT ANALYSTS	27	21105
CREDIT AUTHORIZERS	306	53114
CREDIT CHECKERS	307	53117
CRIMINAL INVESTIGATORS, FEDERAL	408	63028
CRIMINAL JUSTICE & LAW ENFORCEMENT TEACHERS,	176	31246
CROSSING GUARDS	413	63044
CRUSHING, MIXING MACHINE OPERATORS, TENDERS	783	92965
CURATORS, ARCHIVISTS, AND RELATED	199	31511
CUSTOM TAILORS AND SEWERS	649	89505
CUSTOMER SERVICE REPRESENTATIVES--UTILITIES	352	55335
CUTTING, FORMING, FABRICATING, PROCESS MACH SETTER	728	92197
CUTTING, FORMING, FABRICATING, PROCESS MACH OPS	729	92198
CUTTING & SLICING MACHINE SETTERS & SET-UP OPS	775	92941
CUTTERS AND TRIMMERS--HAND	807	93926
CUTTING & SLICING MACHINE OPERATORS & TENDERS	776	92944
DAIRY PROCESSING EQUIPMENT OPERATORS--INC SETTERS	772	92932
DANCERS AND CHOREOGRAPHERS	263	34053
DATA BASE ADMINISTRATORS	104	25103
DATA ENTRY KEYERS--EX COMPOSING	363	56017
DATA KEYERS--COMPOSING	364	56021
DATA PROCESSING EQUIPMENT REPAIRERS	537	85705
DEMONSTRATORS AND PROMOTERS	295	49034
DENTAL ASSISTANTS	433	66002
DENTAL HYGIENISTS	233	32908
DENTAL LABORATORY TECHNICIANS, PRECISION	682	89921
DENTISTS	206	32105
DERRICK OPERATORS--OIL, GAS EXTRACTION	615	87914
DESIGNERS, EX INTERIOR DESIGNERS	258	34038
DETAIL DESIGN DECORATORS, PAINTERS	679	89911
DETECTIVES, INVESTIGATORS--EX PUBLIC	410	63035
DIETETIC TECHNICIANS	229	32523
DIETITIANS AND NUTRITIONISTS	228	32521
DINING ROOM ATTENDANTS, BAR HELPERS	421	65014
DIRECTORS--RELIGIOUS ACTIVITIES, EDUC	132	27505
DIRECTORY ASSISTANCE OPERATORS	369	57105
DISPATCH--EX POLICE, FIRE, AMBULANCE	380	58005

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
DISPATCH--POLICE, FIRE, AMBULANCE	379	58002
DRAFTERS	78	22514
DRAGLINE OPERATORS	873	97926
DREDGE OPERATORS, DIPPER TENDERS	874	97928
DRILLING MACHINE SETTER--METAL, PLASTIC	690	91108
DRIVER/SALES WORKERS	839	97117
DRYWALL INSTALLERS	571	87108
DUPLICATING MACHINE OPERATORS	359	56005
DYERS, PRECISION	654	89521
EARTH DRILLERS, EXCEPT OIL AND GAS	611	87902
ECONOMICS TEACHERS, POSTSECONDARY	168	31233
ECONOMISTS--INCL MARKET RESEARCH ANALYST	120	27102
EDP AND OFFICE MACHINE OCCUPATIONS	357	56000
EDUCATION ADMINISTRATORS	10	15005
EDUCATION TEACHERS, POSTSECONDARY	178	31252
ELECTRICAL INSTALLERS--TRANSPORTATION EQUIPMENT	545	85728
ELECTRICAL AND ELECTRONIC ENGINEERS	61	22126
ELECTRICAL EQUIPMENT MECHANICS, NEC	546	85799
ELECTRIC HOME APPLIANCE & POWER TOOL REPAIRERS	539	85711
ELECTRONIC HOME ENTERTAINMENT EQUIP REPAIRERS	538	85708
ELECTRIC METER INSTALLERS, REPAIRERS	551	85911
ELECTRIC MOTOR, AND RELATED REPAIRERS	540	85714
ELECTRICAL POWERLINE INSTALLERS	543	85723
ELECTRONICS REPAIRERS--COMMERCIAL & INDUSTRIAL	541	85717
ELECTRICAL & ELECTRONIC ENGINEERING TECHS & TECHNOS	75	22505
ELECTRICAL EQUIPMENT ASSEMBLERS--PRECISION	795	93114
ELECTRICAL, ELECTRONIC ASSEMBLERS	800	93905
ELECTRICIANS	576	87202
ELECTRICIANS AND RELATED WORKERS	575	87200
ELECTROCARDIOGRAPH TECHNICIANS	240	32926
ELECTROLYTIC PLATING, MACHINE OPERATORS	719	91921
ELECTROLYTIC PLATING, MACHINE SETTER	718	91917
ELECTROMECHANICAL EQUIPMENT ASSEMBLERS--PRECISION	794	93111
ELECTROMEDICAL, BIOMEDICAL EQUIPMENT REPAIRER	550	85908
ELECTRONEURODIAGNOSTIC TECHNOLOGISTS	238	32923
ELECTRONIC PAGINATION SYSTEM WORKERS	660	89707
ELECTRONIC SEMICONDUCTOR PROCESSOR	762	92902
ELEVATOR INSTALLERS AND REPAIRERS	558	85932
ELEVATOR OPERATORS	447	67011
EMBALMERS	271	39014
EMERGENCY MEDICAL TECHNICIANS	223	32508
EMPLOYMENT INTERVIEWERS--PRIVATE OR PUBLIC	40	21508
ENGINEER, MATH, AND NATURAL SCIENCE MANAGERS	8	13017
ENGINEERING TEACHERS, POSTSECONDARY	161	31222
ENGINEERING, RELATED TECHNICIANS	73	22500
ENGINEERING, RELATED TECHS & TECHNOS, NEC	81	22599
ENGINEERS	52	22100
ENGINEERS, ARCHITECTS, SURVEYORS	51	22000
ENGINEERS, NEC	67	22199
ENGLISH LANG & LIT TEACHERS, POSTSECONDARY	158	31214

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ENGRAVING, PRINTING WORKERS--HAND	815	93951
ESTIMATORS, DRAFTERS--UTILITIES	79	22517
ETCHERS, ENGRAVERS--PRECISION	636	89128
EXCAVATING, LOADING MACHINE OPERATORS	872	97923
EXTRACTIVE AND RELATED WORKERS	610	87900
EXTRACTIVE WORKERS--EX HELPERS,NEC	623	87989
EXTRUDING MACHINE OPS,TENDERS--SYNTHETIC/GLASS	753	92708
EXTRUDING MACHINE SETTERS--METAL,PLASTIC	698	91311
EXTRUDING, FORMING MACHINE OPERATORS, TENDERS	785	92971
EXTRUDING, FORMING, SETTERS & SET-UP OPERATORS	784	92968
FALLERS AND BUCKERS	470	73002
FARM AND HOME MANAGEMENT ADVISORS	193	31323
FARM EQUIPMENT MECHANICS	523	85321
FARM EQUIPMENT OPERATORS	482	79021
FARMWORKERS-FARM/RANCH ANIMALS	488	79858
FARMWORKERS-FOOD, FIBER CROPS	487	79856
FENCE ERECTORS	608	87817
FILE CLERKS	347	55321
FILM EDITORS	256	34032
FINANCIAL ANALYSTS, STATISTICAL	115	25315
FINANCIAL MANAGERS	3	13002
FINANCIAL SPECIALISTS, NEC	32	21199
FIRE FIGHTERS	401	63008
FIRE FIGHTING & PREVENTION SUPERVISORS	394	61002
FIRE INSPECTORS	399	63002
FIRST-LINE SUP/MGR SERVICE WORKERS, NEC	397	61099
FIRST-LINE SUP/MGR, CLERICAL, ADMINISTRATIVE SUPPORT	299	51000
FIRST-LINE SUP/MGR--AGRICULTURAL, FORESTRY, FISHING	467	72000
FIRST-LINE SUP/MGR-BLUE COLLAR	491	81000
FIRST-LINE SUP/MGR-BLUE COLLAR NEC	497	81099
FIRST-LINE SUP/MGR-CONSTRUCTION	493	81005
FIRST-LINE SUP/MGR-HELP, LABORERS	496	81017
FIRST-LINE SUP/MGR-MECHANICS, INSTALLERS, REPAIRERS	492	81002
FIRST-LINE SUP/MGR-PRODUCTION	494	81008
FIRST-LINE SUP/MGR--SALES	274	41000
FIRST-LINE SUP/MGR--SERVICE	393	61000
FIRST-LINE SUP/MGR-TRANSPORTATION	495	81011
FIRST-LINE SUPERVISORS - AGRICULTURE	468	72002
FISH AND GAME WARDENS	412	63041
FITTERS, STRUCTURAL METAL--PRECISION	793	93108
FLIGHT ATTENDANTS	458	68026
FLOOR LAYERS--EX CARPET,WOOD,TILES	593	87605
FLOOR SANDING MACHINE OPERATORS	594	87608
FOOD AND TOBACCO WORKERS, NEC	674	89899
FOOD BATCHMAKERS	673	89808
FOOD PREPARATION WORKERS	429	65038
FOOD SERVERS--OUTSIDE	420	65011
FOOD SERVICE AND LODGING MANAGERS	17	15026
FOOD SERVICE WORKERS, NEC	431	65099
FOOD WORKERS, PRECISION	670	89800

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
FOOD, BEVERAGE PREPARATION AND SERVICE OCCS	416	65000
FOREIGN LANG & LITERATURE TEACHERS, POSTSECONDARY	159	31215
FOREST FIRE INSPECTORS, PREVENT SPECIALISTS	400	63005
FOREST, CONSERVATION WORKERS	476	79002
FORESTERS, CONSERVATION SCIENTISTS	90	24302
FORGING MACHINE SETTERS--METAL, PLASTIC	700	91317
FOUNDRY MOLD ASSEMBLY, SHAKEOUT	717	91914
FOUNDRY MOLD, CORE MAKERS, PRECISION	676	89902
FRAME WIRERS, CENTRAL OFFICE	530	85505
FREIGHT, MATERIAL MOVERS-HAND, NEC	904	98799
FREIGHT, STOCK, MATERIAL MOVERS, HAND	901	98700
FUNERAL ATTENDANTS	463	68041
FUNERAL DIRECTORS AND MORTICIANS	270	39011
FURNACE OPERATORS AND TENDERS	724	91935
FURNACE, KILN, KETTLE OPERATORS, TENDERS	769	92923
FURNITURE FINISHERS	645	89314
GAS APPLIANCE REPAIRERS	561	85944
GAS COMPRESSOR OPERATORS	871	97921
GAS PLANT OPERATORS	821	95005
GAS PUMPING STATION OPERATORS	870	97917
GAUGERS	825	95017
GEM AND DIAMOND WORKERS	684	89926
GENERAL MANAGERS, TOP EXECUTIVES	21	19005
GENERAL OFFICE CLERKS	356	55347
GEOGRAPHY TEACHERS, POSTSECONDARY	169	31234
GEOLOGIST, GEOPHYSICISTS, OCEANOGRAPHERS	87	24111
GLAZIERS	606	87811
GLAZIERS, MANUFACTURING	802	93911
GRADER, DOZER, SCRAPER OPERATORS	877	97938
GRADERS, SORTERS--AGRICULTURAL PRODUCTS	478	79011
GRADUATE ASSISTANTS, TEACHING	149	31117
GRINDING MACHINE SETTER--METAL, PLASTIC	692	91114
GRINDING, POLISHING WORKERS--HAND	816	93953
GUARDS AND WATCH GUARDS	414	63047
GUIDES	455	68017
HAIRDRESSERS, HAIRSTYLISTS	451	68005
HAND COMPOSITORS AND TYPESETTERS	657	89702
HAND PACKERS AND PACKAGERS	906	98902
HAND WORKERS, NEC	818	93999
HAND WORKERS--JEWELRY, PRECISION	635	89126
HARD TILE SETTERS	580	87308
HAZARDOUS MATERIALS REMOVAL WORKERS	603	87803
HEAD SAWYERS	732	92305
HEALTH ASSESSMENT & TREATMENT TEACHERS, POSTSEC	156	31212
HEALTH CARE MAINTENANCE, TREATING	220	32500
HEALTH CARE PROFESSIONALS, PARAPROFS, NEC	244	32999
HEALTH DIAGNOSING, TREATING	204	32100
HEALTH DIAGNOSING, TREATING, NEC	211	32199
HEALTH DIAGNOSTICS TEACHERS, POSTSECONDARY	155	31211
HEALTH PRACTITIONERS, TECHS, RELATED	203	32000

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
HEALTH SERVICE WORKERS, NEC	442	66099
HEALTH SERVICE, RELATED OCCS	432	66000
HEAT TREATING MACHINE OPS, TENDERS	723	91932
HEATERS, METAL & PLASTIC	725	91938
HEATING EQUIP SETTERS-METAL, PLASTIC	722	91928
HEATING, AC, REFRIGERATION MECHANICS	548	85902
HELPERS, LABORERS, HAND--EX AGRICULTURE & FORESTRY	886	98000
HELPERS--BRICK,STONE MASONS	890	98311
HELPERS--CARPENTERS AND RELATED	891	98312
HELPERS--CONSTRUCTION TRADES, NEC	896	98319
HELPERS--CONST TRADES & EXTRACT WORKERS	898	98399
HELPERS--ELECTRICIANS, POWERLINE INSTALLERS	892	98313
HELPERS--EXTRACTIVE WORKERS	897	98323
HELPERS--PAINTERS AND RELATED	893	98314
HELPERS--PLUMBERS AND RELATED	894	98315
HELPERS--ROOFERS	895	98316
HIGHWAY MAINTENANCE WORKERS	599	87711
HISTORY TEACHERS, POSTSECONDARY	170	31235
HOIST AND WINCH OPERATORS	878	97941
HOME ECONOMICS TEACHERS, POSTSECONDARY	182	31262
HOME HEALTH CARE WORKERS	436	66011
HOSTS, HOSTESSES--RESTAURANTS	417	65002
HOTEL DESK CLERKS	329	53808
HOUSEKEEPING SUPERVISORS	396	61008
HUMAN SERVICES WORKERS	128	27308
INDUSTRIAL ENGINEERING TECHS & TECHNOS	76	22508
INDUST ENGINEERS--EXCEPT SAFETY	63	22128
INDUSTRIAL PRODUCTION MANAGERS	13	15014
INDUSTRIAL TRUCK,TRACTOR OPERATORS	880	97947
INDUSTRY SPECIFIC CLERICAL, ADMINISTRATIVE SUPPORT	300	53000
INSURANCE ADJUSTERS, EXAMINERS, INVESTIGATORS	313	53302
INSPECTORS, RELATED OCCUPATIONS	498	83000
INSPECTORS, TESTERS, RELATED, NEC	502	83099
INSPECTORS,TESTERS,& GRADERS,PRECISION	499	83002
INSTALLER & REPAIRER, MOBILE HOME	560	85938
INSTRUCTIONAL COORDINATORS	201	31517
INSTRUCTORS AND COACHES--SPORTS	192	31321
INSTRUCTORS--NON-VOCATIONAL EDUCATION	191	31317
INSTRUMENT MAKERS, PRECISION	628	89105
INSTRUMENT REPAIRERS, PRECISION	549	85905
INSULATION WORKERS	602	87802
INSURANCE APPRAISERS--AUTO DAMAGE	314	53305
INSURANCE CLAIMS CLERKS	316	53311
INSURANCE EXAMINING CLERKS	315	53308
INSURANCE POLICY PROCESSING CLERKS	317	53314
INSURANCE WORKERS	312	53300
INTERIOR DESIGNERS	259	34041
INTERVIEW CLERKS--EX PERSONNEL, WELFARE	351	55332
INVESTIGATIVE, RELATED, EX INSURANCE	318	53500
INVESTIGATORS--CLERICAL	320	53505

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
JANITORS, CLEANERS--EXCEPT MAIDS	445	67005
JEWELERS AND SILVERSMITHS	634	89123
JOB PRINTERS	658	89705
JUDGES AND MAGISTRATES	136	28102
LABORERS, LANDSCAPING/GROUNDSKEEPING	485	79041
LANDSCAPE ARCHITECTS	71	22308
LATHE MACHINE SETTERS--METAL, PLASTIC	689	91105
LATHERS	573	87114
LAW AND RELATED OCCUPATIONS	134	28000
LAW CLERKS	140	28302
LAW TEACHERS, POSTSECONDARY	175	31244
LAWN SERVICE MANAGER	19	15032
LAWYERS	138	28108
LAWYERS AND RELATED WORKERS	135	28100
LAYOUT WORKERS--METAL, PRECISION	632	89117
LECTURERS	147	31111
LEGAL ASSISTANTS, TECHNICIANS, EX CLERICAL	139	28300
LEGAL ASSISTANTS, TECHNICIANS--EX CLERICAL, NEC	144	28399
LETTERPRESS SETTERS, SET-UP OPERATORS	739	92515
LIBRARIANS, ARCHIVISTS AND RELATED	195	31500
LIBRARIANS--PROFESSIONAL	196	31502
LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	331	53902
LIBRARY SCIENCE TEACHERS, POSTSECONDARY	180	31256
LICENSE CLERKS	325	53708
LICENSED VOCATIONAL NURSES	222	32505
LIFE SCIENCES TEACHERS, POSTSECONDARY	151	31202
LIFE SCIENTISTS	89	24300
LIFE SCIENTISTS, NEC	94	24399
LITHOGRAPHY & PHOTOENGRAVING WORKERS, NEC	667	89719
LITHOGRAPHY & PHOTOENGRAVING, PRECISION	661	89710
LAUNDRY, DRYCLEAN MACH OPS--EX PRESS	759	92726
LOADING MACHINE OPERATORS--MINING	875	97932
LOAN AND CREDIT CLERKS	308	53121
LOAN INTERVIEWERS	305	53111
LOAN OFFICERS AND COUNSELORS	28	21108
LOCKSMITHS AND SAFE REPAIRERS	555	85923
LOCOMOTIVE ENGINEERS	843	97305
LOCOMOTIVE FIRERS	845	97311
LODGING AND TRAVEL WORKERS	326	53800
LOG GRADERS AND SCALERS	477	79008
LOG HANDLING EQUIPMENT OPERATORS	472	73008
LOGGING TRACTOR OPERATORS	473	73011
LONGSHORE EQUIPMENT OPERATORS	865	97902
MACHINE BUILDERS & OTHER PRECISION MACH ASSEMBLER	792	93105
MACHINE FORMING OPS, TENDERS--METAL, PLASTIC	701	91321
MACHINE FORMING SETTERS--METAL, PLASTIC	694	91300
MACHINE SETTER, SET-UP, OP--EX METAL, PLASTIC	761	92900
MACHINE SETTERS, SET-UP OPERATORS, & TENDERS	686	91000
MACHINE TOOL CUTTING OPS--METAL, PLASTIC	693	91117
MACHINE TOOL CUTTING--METAL, PLASTIC	687	91100

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MACHINE TOOL SETTERS, OPS--METAL, PLASTIC	702	91500
MACHINE ASSEMBLERS	799	93902
MACHINE FEEDERS AND OFFBEARERS	899	98500
MACHINE FEEDERS AND OFFBEARERS, NEC	900	98502
MACHINE OPERATORS AND TENDERS, NEC	788	92998
MACHINE SETTERS & SET-UP OPERATORS, NEC	787	92997
MACHINERY AND RELATED MECHANICS	504	85100
MACHINERY MAINT MECHANICS, NEC	511	85119
MACHINERY MAINTENANCE MECHANICS	505	85110
MACHINERY MAINTENANCE WORKERS	514	85128
MACHINISTS	629	89108
MAIDS AND HOUSEKEEPING CLEANERS	444	67002
MAIL CLERKS-EX MAIL MACHINE OPERATORS, POSTAL	374	57302
MAIL MACHINE OPERATORS--PREP AND HANDLING	360	56008
MAIL, MESSAGE DISTRIBUTION WORKERS	373	57300
MAIN LINE STATION ENGINEERS	869	97914
MAINTENANCE MECHANICS--MARINE EQUIP	508	85116
MAINTENANCE MECHANICS--WATER, POWER	510	85118
MAINTENANCE REPAIRERS, GENERAL UTILITY	515	85132
MAINTENANCE MECHANICS--SEWING MACHINE	507	85113
MAINTENANCE MECHANICS--TEXTILE	506	85112
MANAGEMENT ANALYSTS	44	21905
MANAGEMENT SUPPORT OCCUPATIONS	24	21000
MANAGEMENT SUPPORT WORKERS, NEC	50	21999
MANAGERS AND ADMINISTRATORS, NEC	22	19999
MANICURISTS	452	68008
MARINE ARCHITECTS	70	22305
MARINE ENGINEERS	66	22138
MARKING CLERKS	385	58021
MASONS AND RELATED WORKERS	577	87300
MATERIAL MOVEMENT EQUIPMENT OPERATORS	864	97900
MATERIAL MOVING EQUIP OPERATORS, NEC	884	97989
MATERIAL RECORDING, DISPATCHING	378	58000
MATERIAL RECORDING, RELATED, NEC	389	58099
MATES--SHIP, BOAT, AND BARGE	851	97505
MATH SCIENTISTS AND RELATED	110	25300
MATHEMATICAL SCIENCES TEACHERS, POSTSECONDARY	163	31224
MATHEMATICAL SCIENTISTS	112	25310
MATHEMATICAL SCIENTISTS, NEC	116	25319
MATHEMATICAL TECHNICIANS	117	25323
MEAT, POULTRY, FISH CUTTERS--HAND	811	93938
MECHANICAL CONTROL, VALVE INSTALLERS	557	85928
MECHANIC AND REPAIRER HELPERS	887	98100
MECHANIC AND REPAIRER HELPERS, NEC	888	98102
MECHANICAL ENGINEERING TECHNICIANS	77	22511
MECHANICAL ENGINEERS	65	22135
MECHANICS, INSTALLERS, REPAIRERS	503	85000
MECHANICS, NEC	527	85399
MECHANICS, INSTALLERS, REPAIRERS, NEC	566	85999
MEDICAL, CLINICAL LAB ASSISTANTS	232	32905

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MEDICAL, CLINICAL LAB TECHNOLOGISTS	231	32902
MEDICAL APPLIANCE MAKERS	683	89923
MEDICAL ASSISTANTS	434	66005
MEDICAL RECORDS TECHNICIANS	234	32911
MEDICAL SCIENTISTS	93	24311
MEDICINE, HEALTH SERVICES MANAGERS	11	15008
MENDERS, GARMENTS AND LINENS	565	85956
MERCHANDISE DISPLAYERS, WINDOW TRIMMERS	260	34044
MERCHANDISE, PRODUCTS AND OTHER SALES	285	49000
MESSENGERS	377	57311
METAL FABRICATING MACH SETTERS, OPS	706	91700
METAL FABRICATOR, STRUCTURAL METAL PRODUCTS	711	91714
METAL MOLDING MACHINE OPERATORS AND TENDERS	716	91911
METAL MOLDING, MACHINE SETTER, SET-UP	715	91908
METAL POURERS, CASTERS--BASIC	812	93941
METAL WORKERS, NEC--PRECISION	639	89199
METAL WORKERS, PRECISION	626	89100
METAL, PLASTIC MACHINE SETTERS, OPS NEC	727	92100
METAL, PLASTIC PROCESS MACHINE SETTERS	712	91900
METALLURGISTS, RELATED ENGINEERS	54	22105
METER READERS--UTILITIES	383	58014
MANAGERS AND ADMINISTRATIVE OCCUPATIONS	2	10000
MILLING MACHINE SETTERS--METAL, PLASTIC	691	91111
MILLWRIGHTS	512	85123
MINE CUTTING, CHANNELING MACHINE OPERATORS	621	87943
MINING ENGINEERS--INCL MINE SAFETY	55	22108
MINING MACHINE OPERATORS	619	87940
MINING MACHINE OPERATORS, NEC	622	87949
MINING, OIL AND GAS, RELATED MANAGERS	15	15021
MISC AGRICULTURE, FORESTRY, FISHING	475	79000
MISC HELPERS, LABORERS--HAND	905	98900
MISC HELPERS, LABORERS--HAND, NEC	908	98999
MISC INDUSTRY SPECIFIC CLERICAL	330	53900
MISC MECHANICS, INSTALLERS, REPAIRERS	547	85900
MISC METAL, PLASTIC MACHINE SETTERS OPERATORS	726	91999
MISC PERSONAL SERVICE OCCUPATIONS	449	68000
MISC PROFESSIONALS, PARAPROFS, TECHNICAL	266	39000
MISC SECRETARIAL, GENERAL OFFICE OCCS	341	55300
MISC SERVICE WORKERS	464	69000
MISC TRANSPORTATION WORKERS	859	97800
MARKETING, ADVERTISING, PUBLIC-RELATIONS MANAGERS	6	13011
MOBILE EQUIPMENT MECHANICS, REPAIRERS	516	85300
MOBILE HEAVY EQUIP MECHANICS--EX ENGINE	521	85314
MODELS	296	49036
MOLDERS AND CASTERS--HAND	813	93944
MOLDERS, SHAPERS--EX JEWELRY	677	89905
MOTION PICTURE PROJECTIONISTS	763	92905
MOTOR VEHICLE OPERATORS	833	97100
MOTOR VEHICLE OPERATORS, NEC	840	97199
MOTORBOAT OPERATORS	853	97511

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MOTORCYCLE REPAIRERS	519	85308
MUNICIPAL CLERKS	324	53705
MUNICIPAL WORKERS	322	53700
MUSIC DIRECTORS, SINGERS, COMPOSERS	261	34047
MUSICAL INSTRUMENT REPAIRERS AND TUNERS	554	85921
MUSICIANS--INSTRUMENTAL	262	34051
NATURAL SCIENTISTS AND RELATED WORKERS	82	24000
NUMERICAL TOOL, PROCESS PROGRAMMERS	108	25111
NEW ACCOUNTS CLERKS	303	53105
NONELECTROLYTIC PLATING & COATING MACHINE-OPS	721	91926
NONELECTROLYTIC PLATING MACHINE-SETTERS & SET-UP	720	91923
NUCLEAR ENGINEERS	58	22117
NUCLEAR MEDICINE TECHNOLOGISTS	236	32914
NUCLEAR TECHNICIANS	98	24508
NUMERICAL MACHINE TOOL OPS--METAL, PLASTIC	703	91502
NURSE AIDES, ORDERLIES, ATTENDANTS	435	66008
NURSERY & GREENHOUSE MANAGER	18	15031
NURSING INSTRUCTORS, POSTSECONDARY	148	31114
OCCUPATIONAL THERAPISTS	214	32305
OCCUPATIONAL THERAPY ASSISTANTS	439	66021
OCCUPATIONS NOT CLASSIFIED	909	
OFFICE MACHINE, CASH REGISTER SERVICERS	556	85926
OFFICE MACHINE OPERATORS, NEC	365	56099
OFFSET LITHOGRAPHIC PRESS SETTERS	738	92512
OIL PUMPER--EXCEPT WELL HEAD	867	97908
OPERATING ENGINEERS	883	97956
OPERATIONS & SYSTEMS RESEARCHERS--EX COMPUTER	111	25302
OPTICAL GOODS WORKERS, PRECISION	681	89917
OPTICIANS--DISPENSING, MEASURING	225	32514
OPTOMETRISTS	207	32108
ORDER CLERKS--MATERIALS, SERVICE	348	55323
ORDER FILLERS--WHOLESALE & RETAIL SALE	387	58026
ORDINARY SEAMEN AND MARINE OILERS	855	97517
OTHER SOCIAL SCIENCE RELATED WORKERS	124	27300
OTHER ELECTRICAL EQUIPMENT MECHANICS	535	85700
OTHER HAND WORKERS	798	93900
OTHER HEALTH PROFESSIONALS, PARAPROFS	230	32900
OTHER MANAGEMENT SUPPORT WORKERS	42	21900
OTHER PRECISION WORKERS	675	89900
OTHER PROFESSIONALS, PARAPROF, TECHNICAL	272	39999
OTHER TEACHERS AND INSTRUCTORS	184	31300
PACKAGING, FILLING MACHINE OPERATORS, TENDERS	786	92974
PAINT, COAT & SPRAY MACHINE SETTERS	778	92951
PAINTERS AND RELATED WORKERS	584	87400
PAINTERS, PAPERHANGERS--CONSTRUCTION	585	87402
PAINTERS, TRANSPORTATION EQUIPMENT	777	92947
PAINTING, COATING, DECORATING--HAND	814	93947
PAINTING, RELATED MACHINE OPERATORS, TENDERS	779	92953
PAPER GOODS MACHINE SETTERS, SET-UP OPERATORS	766	92914
PARALEGAL PERSONNEL	141	28305

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PARKING ENFORCEMENT OFFICERS	405	63021
PARKING LOT ATTENDANTS	862	97808
PARKS, REC, LEISURE, FITNESS STUDIES TEACHERS, POST	181	31258
PASTE UP WORKERS	659	89706
PATTERN AND MODEL MAKERS--METAL	631	89114
PATTERN AND MODEL MAKERS--WOOD	641	89302
PATTERN MARKERS--WOOD	642	89305
PATTERNMAKERS AND LAYOUT WORKERS	648	89502
PATTERNMAKERS, MODEL MAKERS, LAYOUT	678	89908
PAVING, TAMPING-EQUIPMENT OPERATORS	598	87708
PAYROLL AND TIMEKEEPING CLERKS	354	55341
PERIPHERAL EDP EQUIPMENT OPERATORS	362	56014
PERSONNEL CLERKS--EX PAYROLL	345	55314
PERSONNEL, TRAINING, LABOR-RELATIONS MANAGERS	4	13005
PERSONNEL, TRAINING, LABOR-RELATIONS SPECIALISTS	37	21500
PERSONNEL, TRAINING, LABOR-RELATIONS SPECIALISTS, NEC	41	21511
PERSONAL AND HOME CARE AIDES	461	68035
PEST CONTROLLERS AND ASSISTANTS	446	67008
PETROLEUM REFINERY, CONTROL PANEL OPERATORS	824	95014
PETROLEUM ENGINEERS	56	22111
PETROLEUM PUMP SYSTEM OPERATORS	823	95011
PETROLEUM TECHNICIANS	99	24511
PHARMACISTS	226	32517
PHARMACY AIDES	441	66026
PHARMACY TECHNICIANS	227	32518
PHILOSOPHY & RELIGION TEACHERS, POSTSECONDARY	179	31254
PHOTOENGRAVERS	662	89712
PHOTOENGRAVING, LITHOGRAPHING MACHINE OPERATORS	747	92545
PHOTOGRAPHERS	253	34023
PHOTOGRAPHIC PROCESSING MACHINE OPS & TENDERS	764	92908
PHOTOGRAPHIC PROCESS WORKER, PRECISION	680	89914
PHYSICAL SCIENCE TEACHERS, POSTSECONDARY	154	31209
PHYSICAL SCIENTISTS	83	24100
PHYSICAL SCIENTISTS, NEC	88	24199
PHYSICAL THERAPISTS	215	32308
PHYSICAL THERAPY ASSISTANTS & AIDES	438	66017
PHYSICAL, LIFE SCIENCE TECHNICIANS	95	24500
PHYSICAL, LIFE SCIENCE TECHNICIANS, NEC	100	24599
PHYSICIANS AND SURGEONS	205	32102
PHYSICIAN'S ASSISTANTS	224	32511
PHYSICISTS AND ASTRONOMERS	84	24102
PHYSICS TEACHERS, POSTSECONDARY	153	31206
PILE DRIVING OPERATORS	597	87705
PILOTS--SHIP	852	97508
PIPELAYERS	589	87508
PIPELAYING FITTERS	588	87505
PLANT AND SYSTEM OCCUPATIONS	819	95000
PLANT AND SYSTEM OPERATORS, NEC	831	95099
PLAST MOLDING, CASTING MACHINE SETTER	713	91902
PLASTERERS AND STUCCO MASONS	583	87317

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PLASTIC MOLDING, CASTING MACHINE OPS	714	91905
PLATEMAKERS	666	89718
PLUMBERS AND RELATED WORKERS	586	87500
PLUMBERS, PIPEFITTERS, STEAMFITTER	587	87502
PODIATRISTS	208	32111
POLICE AND DETECTIVE SUPERVISORS	395	61005
POLICE DETECTIVES	402	63011
POLICE PATROL OFFICERS	403	63014
POLITICAL SCIENCE TEACHERS, POSTSECONDARY	171	31236
PORTABLE MACHINE CUTTERS	808	93928
POSTAL MAIL CARRIERS	375	57305
POSTAL SERVICE CLERKS	376	57308
POSTMASTERS, MAIL SUPERINTENDENTS	9	15002
POSTSECONDARY TEACHERS	146	31100
POSTSECONDARY TEACHERS, NEC	183	31299
POWER DISTRIBUTORS AND DISPATCHERS	829	95028
POWER PLANT OPS--EX AUXILIARY EQUIPMENT	826	95021
POWER REACTOR OPERATORS	828	95026
POWERHOUSE, RELATED ELECTRICIANS	542	85721
PRESS MACHINE SETTERS--METAL, PLASTIC	696	91305
PRESSERS--DELICATE FABRICS	653	89517
PRESSERS--HAND	805	93921
PRESSING MACH OPS--TEXTILE, GARMENT	760	92728
PRINT PRESS SETTERS,SET UP OPS	737	92510
PRINT PRESS SETTERS,SET-UP OPS NEC	740	92519
PRINT REL SETTERS, SET-UP OPS, NEC	744	92529
PRINT, BINDING, RELATED MACHINE OPS, TENDER	749	92549
PRINTING PRESS MACHINE OPS, TENDER	746	92543
PRINTING WORKERS, NEC--PRECISION	669	89799
PRINTING WORKERS, PRECISION	656	89700
PRINTING, BINDING, RELATED WORKERS	736	92500
PROCUREMENT CLERKS	349	55326
PROD INSPECTORS, TESTERS, & GRADER	500	83005
PROD, CONST, OPER, MATERIAL HANDLING	490	80000
PROD, PLANNING, EXPEDITING CLERKS	381	58008
PRODUCERS, DIRECTORS, ACTORS	264	34056
PRODUCTION OCCUPATIONS, PRECISION	625	89000
PROFESSIONAL, PARAPROF, TECHNICAL	23	20000
PROOFREADERS AND COPY MARKERS	334	53911
PROPERTY AND REAL ESTATE MANAGERS	12	15011
PROTECTIVE SERVICE OCCUPATIONS	398	63000
PROTECTIVE SERVICE WORKERS, NEC	415	63099
PRUNERS	483	79033
PSYCHIATRIC AIDES	437	66014
PSYCHIATRIC TECHNICIANS	242	32931
PSYCHOLOGISTS	122	27108
PSYCHOLOGY TEACHERS, POSTSECONDARY	172	31237
PUBLIC ADMIN CHIEF EXECUTIVES, LEGISLATORS	20	19002
PUBLIC RELATIONS SPECIALISTS, PUBLICITY WRITERS	248	34008
PUMP OPERATORS	882	97953

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PUNCH MACHINE SETTERS--METAL, PLASTIC	695	91302
PURCHASING AGENTS AND BUYERS--FARM PRODUCTS	35	21305
PURCHASING AGENTS--EX WHOLESALE, RETAIL, FARM PRODS	36	21308
PURCHASING AGENTS AND BUYERS	33	21300
PURCHASING MANAGERS	5	13008
RADIATION THERAPISTS	235	32913
RADIO MECHANICS	533	85514
RADIO OPERATORS	269	39008
RADIOLOGIC TECHNOLOGISTS	237	32919
RAIL CAR REPAIRERS	522	85317
RAIL TRANSPORTATION WORKERS	841	97300
RAIL VEHICLE OPERATIVES, NEC	848	97399
RAIL YARD ENGINEERS AND RELATED	844	97308
RAILROAD BRAKE, SIGNAL, SWITCH OPERATORS	847	97317
RAILROAD CONDUCTORS, YARDMASTERS	842	97302
RAILROAD, TRANSIT POLICE, SPECIAL AGENTS	411	63038
RAIL-TRACK LAYING, MAINTENANCE EQUIPMENT OPS	600	87714
REAL ESTATE CLERKS	335	53914
RECEPTIONISTS, INFORMATION CLERKS	343	55305
RECREATION WORKERS	129	27311
RECREATIONAL THERAPISTS	218	32317
REFRACTORY MATERIALS REPAIRERS	513	85126
REFUSE COLLECTORS	903	98705
REGISTERED NURSES	221	32502
REINFORCING METAL WORKERS	582	87314
RELIGIOUS WORKERS	130	27500
RELIGIOUS WORKERS, NEC	133	27599
REPORTERS AND CORRESPONDENTS	249	34011
RESERVATION, TRANS TICKET AGENTS	328	53805
RESIDENTIAL COUNSELORS	127	27307
RESPIRATORY CARE PRACTITIONERS	213	32302
RIGGERS	559	85935
ROASTING, BAKING MACHINE OPERATORS--FOOD	768	92921
ROCK SPLITTERS, QUARRY	613	87908
ROLLING MACH SETTERS--METAL, PLASTIC	699	91314
ROOF BOLTERS	618	87923
ROOFERS	605	87808
ROTARY DRILL OPERATORS--OIL, GAS EXTRACT	614	87911
ROUSTABOUTS	617	87921
SAFETY ENGINEERS--EXCEPT MINING	64	22132
SALES AGENTS, PLACERS--INSURANCE	276	43002
SALES AGENTS--ADVERTISING	283	43023
SALES AGENTS--FINANCIAL SERVICES	280	43014
SALES AGENTS--REAL ESTATE	278	43008
SALES AGENTS--SELECTED BUSINESS SERVICES	281	43017
SALES AGENTS--SERVICE	275	43000
SALES AND RELATED OCCUPATIONS	273	40000
SALES AND RELATED WORKERS, NEC	297	49999
SALES ENGINEERS	286	49002
SALES REPRESENTATIVES, NON-SCIENTIFIC EX RET	288	49008

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SALES REPRESENTATIVES, SCIENTIFIC--EX RETAIL	287	49005
SALES REPRESENTATIVES, SERVICE--NEC	284	43099
SALESPERSONS, RETAIL	289	49011
SALESPERSONS--PARTS	290	49014
SAW MACHINE TOOL SETTERS--METAL, PLASTIC	688	91102
SAWING MACHINE OPERATORS AND TENDERS	733	92308
SAWING MACHINE SETTERS, SET-UP OPERATORS	731	92302
SCANNER OPERATORS	664	89715
SCREEN PRINT MACHINE SETTERS, SET-UP	742	92524
SECRETARIAL, GENERAL OFFICE OCCUPATIONSS	336	55000
SECRETARIES	337	55100
SECRETARIES, GENERAL	340	55108
SECRETARIES, LEGAL	338	55102
SECRETARIES, MEDICAL	339	55105
SELECTED ROAD, RAIL AND RELATED	595	87700
SEPARATING, STILL MACHINE OPS, TENDERS	782	92962
SEPTIC TANK, SEWER PIPE SERVICERS	590	87511
SERVICE OCCUPATIONS	392	60000
SERVICE STATION ATTENDANTS	861	97805
SERVICE UNIT OPERATORS	616	87917
SERVICE WORKERS, NEC	465	69999
SEWERS--HAND	806	93923
SEWING MACHINE OPERATORS--GARMENT	756	92717
SEWING MACHINE OPS--NON-GARMENT	757	92721
SHAMPOOERS	453	68011
SHEAR MACHINE SETTERS--METAL, PLASTIC	697	91308
SHEET METAL DUCT INSTALLERS	604	87805
SHEET METAL WORKERS	637	89132
SHERIFFS AND DEPUTY SHERIFFS	409	63032
SHIP ENGINEERS	856	97521
SHIPFITTERS	633	89121
SHOE AND LEATHER WKRS--PRECISION	651	89511
SHOE SEWING MACHINE OPS, TENDERS	758	92723
SHUTTLE CAR OPERATORS	876	97935
SIGNAL OR TRACK SWITCH MAINTAINERS	532	85511
SLAUGHTERERS AND BUTCHERS	671	89802
SMALL ENGINE SPECIALISTS	526	85328
SOCIAL SCI, RECREATION, RELIGIOUS	118	27000
SOCIAL SCIENCE TEACHERS, POSTSECONDARY	165	31230
SOCIAL SCIENCES TEACHERS, POSTSECONDARY,	173	31239
SOCIAL SCIENTISTS, NEC	123	27199
SOCIAL SCIENCE--INCL URBAN, REGIONAL PLANNERS	119	27100
SOCIAL WORKERS--EX MEDICAL, PSYCHIATRIC	126	27305
SOCIAL WORK TEACHERS, POSTSECONDARY	177	31247
SOCIAL WORKERS--MEDICAL, PSYCHIATRIC	125	27302
SOLDERERS AND BRAZERS	804	93917
SOLDERING, BRAZING MACH OPS, TENDERS	710	91711
SOLDERING, BRAZING MACH SETTERS	709	91708
SPEC MATERL PRINTING MACH SETTERS	741	92522
SPECIAL AGENTS--INSURANCE	39	21505

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SPEECH PATHOLOGISTS, AUDIOLOGISTS	217	32314
SPOTTERS--DRY CLEANING	652	89514
SPRAYERS, APPLICATORS	484	79036
STATEMENT CLERKS	310	53126
STATION INSTALLERS--TELEPHONE	544	85726
STATIONARY ENGINEERS	830	95032
STATISTICAL CLERKS	350	55328
STATISTICIANS	113	25312
STENOGRAPHERS AND/OR COURT REPORTER	342	55302
STEVEDORES--EX EQUIPMENT OPERATORS	902	98702
STOCK CLERKS--SALES FLOOR	292	49021
STOCK CLERKS--STOCKROOM, WAREHOUSE	386	58023
STONE MASONS	579	87305
STRIPPERS	665	89717
STRUCTURAL METAL WORKERS	607	87814
SUBWAY AND STREETCAR OPERATORS	846	97314
SURGICAL TECHNICIANS	241	32928
SURVEYING AND MAPPING SCIENTISTS	72	22311
SURVEYING AND MAPPING TECHNICIANS	80	22521
SWITCHBOARD OPERATORS	368	57102
SYSTEMS ANALYSTS--ELECTRIC DATA PROCESSING	103	25102
TANK CAR AND TRUCK LOADERS	866	97905
TAPERS	572	87111
TAX EXAMINERS, COLLECTORS, REVENUE AGENTS	47	21914
TAX PREPARERS	29	21111
TAXI DRIVERS AND CHAUFFEURS	838	97114
TEACHER AIDES & EDUCATIONAL ASSISTANTS, CLERICAL	332	53905
TEACHER AIDES, PARAPROFESSIONAL	202	31521
TEACHERS AND INSTRUCTORS, NEC	194	31399
TEACHERS, EDUCATORS, LIBRARIANS	145	31000
TEACHERS, KINDERGARTEN	186	31304
TEACHERS, PRESCHOOL	185	31303
TEACHERS--ELEMENTARY SCHOOL	187	31305
TEACHERS--SECONDARY SCHOOL	188	31308
TEACHERS--SPECIAL EDUCATION	189	31311
TEACHERS--VOCATIONAL ED AND TRAINING	190	31314
TECHNICAL ASSISTANTS--LIBRARY	197	31505
TECHNICAL WRITERS	247	34005
TELEGRAPH AND TELETYPE OPERATORS	371	57111
TELEGRAPH, TELETYPE INSTALLERS	531	85508
TELEMARKETERS, SOLICITORS & RELATED	294	49026
TELEPHONE, CABLE TV INSTALLERS	536	85702
TELLERS	302	53102
TEXTILE, APPAREL, FURNISHINGS, NEC--PRECISION	655	89599
TEXTILE BLEACHING, DYEING MACHINE OPERATORS	755	92714
TEXTILE DRAW-OUT MACH OPERATORS, TENDERS	754	92711
TEXTILE MACHINE SETTERS, SET-UP OPERATORS	751	92702
TEXTILE OPERATORS, TENDERS--WIND, TWIST, KNIT	752	92705
TEXTILE, APPAREL, FURNISHINGS, PRECISION	647	89500
TEXTILE, RELATED SETTERS, OPERATORS	750	92700

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
THERAPISTS	212	32300
THERAPISTS, NEC	219	32399
TIMBER CUTTING AND LOGGING	469	73000
TIMBER CUTTING AND RELATED, NEC	474	73099
TIRE BUILDING MACHINE OPERATORS	765	92911
TIRE REPAIRERS AND CHANGERS	564	85953
TITLE EXAMINERS AND ABSTRACTORS	143	28311
TITLE SEARCHERS	142	28308
TOOL AND DIE MAKERS	627	89102
TOOL GRINDERS, FILERS, SHARPENERS	630	89111
TRAFFIC TECHNICIANS	268	39005
TRAFFIC, SHIPPING, RECEIVING CLERKS	388	58028
TRANS AND RELATED WORKERS, NEC	863	97899
TRANS ATTENDANTS--EX FLIGHT	459	68028
TRANS, MATERIAL MOVING EQUIPMENT OPS, NEC	885	97999
TRANS, MATERIAL MOVING MACHINE OPS	832	97000
TRANSIT CLERKS	304	53108
TRANSPORTATION AGENTS	382	58011
TRANSPORTATION INSPECTORS	501	83008
TRAVEL AGENTS	282	43021
TRAVEL CLERKS	327	53802
TRUCK DRIVERS, HEAVY	834	97102
TRUCK DRIVERS, LIGHT	835	97105
TYPESETTING, COMPOSING MACHINE OPS	745	92541
TYPISTS, INCLUDING WORD PROCESSING	344	55307
U.S. MARSHALLS	407	63026
UNDERGROUND MINE MACHINE MECHANICS	509	85117
UNDERWRITERS	26	21102
UPHOLSTERERS	650	89508
URBAN AND REGIONAL PLANNERS	121	27105
USHERS, LOBBY ATTENDANTS	456	68021
VEHICLE WASHERS, EQUIPMENT CLEANERS	907	98905
VETERINARY ASSISTANTS	486	79806
VETERINARY TECHNICIANS	243	32951
VETS AND VETERINARY INSPECTORS	210	32114
VOCATIONAL & EDUCATIONAL COUNSELOR	200	31514
WAITERS AND WAITRESSES	419	65008
WARDROBE ATTENDANTS	460	68032
WATCH ASSEMBLERS, RELATED--PRECISION	796	93117
WATCHMAKERS	553	85917
WATER TRANSPORTATION WORKERS	849	97500
WATER TREATMENT PLANT OPERATORS	820	95002
WEIGHERS, MEASURERS--RECORDKEEPING	384	58017
WELDERS AND CUTTERS	803	93914
WELDING MACH OPERATORS AND TENDERS	708	91705
WELDING MACH SETTERS, SET-UP OPS	707	91702
WELFARE ELIGIBILITY WORKERS, INTERVIEWERS	319	53502
WELL HEAD PUMPERS	868	97911
WHOLESALE AND RETAIL BUYERS--EX FARM PRODS	34	21302
WOOD MACHINISTS	643	89308

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
WOODWORK MACH OPS,TNDRS--EX SAWING	735	92314
WOODWORK MACH SETTERS--EX SAWING	734	92311
WOODWORKERS, NEC--PRECISION	646	89399
WOODWORKERS, PRECISION	640	89300
WOODWORKING MACHINE SETTERS, OPS	730	92300
WORKERS, PRECISION--NEC	685	89999
WRITERS AND EDITORS	246	34002
WRITERS, ARTISTS, ENTER, ATHLETES	245	34000

Standard Industrial Classification Manual

The Standard Industrial Classification (SIC) is a nationally standardized system for identifying and coding business establishments according to their industrial activity. An "establishment" is an economic unit, generally located at a single physical location, where business is conducted or where services or industrial operations are performed. The Standard Industrial Classification (SIC) Manual is the reference guide used to accurately apply and/or understand the classification coding system.

The SIC Manual's format separates industries into ten broad divisions, such as manufacturing and retail trade. Within those broad groupings are more specific two-digit codes, as well as more detailed three-digit and four-digit codes, that identify specific industries. Brief narratives describe the kinds of establishments contained in each classification category.

Suggestions for Users

The SIC Manual facilitates the collection, analysis and publication of information about business establishments. This standardized system is used throughout the United States to promote uniformity in the publications of private and governmental agencies. The Employment Development Department's field office personnel use the manual to assign SIC codes to employers

to aid in providing services. Trade associations and private industry use the manual in reference books, such as the California Manufacturers Register.

The manual can help one to understand the composite industries summarized in publications. However, all public sector workers are usually grouped together into a category called "government", which includes federal, state and local government, and state and local education.

The U.S. Department of Labor, Occupational Safety and Health Administration provides SIC information on the Internet at <http://www.osha.gov/oshstats/sicser.html>

The SIC Manual may be purchased from U.S. Government Bookstores, Bureau of Labor Statistics, or the Superintendent of Documents in Los Angeles or San Francisco. For information about purchasing this manual, contact:

U.S. Government Bookstore
Marathon Plaza, Room 141-S
303 2nd Street
San Francisco, CA 94107
Phone - (415) 512-2770
Fax - (415) 512-2776
<http://access.gpo.gov>

North American Industry Classification System

The United States has a new industry classification system. The North American Industry Classification System (NAICS) will soon replace the U.S. Standard Industrial Classification (SIC) system.

NAICS is the first-ever North American Industry classification system. The system was developed by the U.S., Canada, and Mexico to provide comparable statistics across the three countries. For the first time, government and business analysts will be able to compare directly industrial production statistics collected and published in the three North American Free Trade Agreement countries.

NAICS will reshape the way we view our changing economy. It is a unique, all-new system for classifying business establishments. It is the first economic classification system to be constructed based on a single economic concept. Economic units that use like processes to produce goods or services are grouped together. This "production-oriented" system means that statistical agencies in the United States will produce data that can be used for:

- measuring productivity, unit labor costs, and the capital intensity of production;
- constructing input-output relationships and;
- estimating employment-output relationships and other such statistics that require that inputs and outputs be used together.

NAICS responds to increasing and serious criticism about the SIC. NAICS reflects the structure of today's economy in the United States, Canada, and Mexico, including the emergence and growth of the service sector and new and advanced technologies. It is a flexible system that allows each country to recognize important industries below the level at which comparable data will be shown for all three countries.

The 1997 Economic Census will provide the first official NAICS-based statistics. Advance statistics will appear in early 1999. A report in 2000 will show relationships between NAICS and SIC industries.

Implementation by Federal agencies will be in phases. Some agency programs will convert to NAICS as early as 1999, others as late as 2004.

How is NAICS better?

NAICS will make economic statistics more useful. It will improve basic benchmark and current performance statistics, like manufacturers' shipments, retail sales, and service receipts. It will improve statistics by providing an all-new industry classification system that is more:

Relevant. NAICS identifies new industries, revises concepts, and reorganizes classifications so that industry-classified statistics highlight businesses that contribute most to our economy.

Consistent. NAICS classifies businesses into industries based on one principle instead of several; the principle that businesses using similar production processes are classified together.

Comparable. NAICS provides first-ever comparability in North American industry classifications and economic statistics.

Flexible. NAICS classifications will be updated regularly to keep pace with changes in our economy; every 5 years, all three North American countries will review NAICS and make needed revisions.

How NAICS will affect the economic data you use.

Every sector of the economy has been restructured and redefined:

- A new *Information* sector combines communications, publishing, motion picture and sound recording, and online services, recognizing our information-based economy.
- *Manufacturing* is restructured to recognize new high-tech industries. A new subsector is devoted to computers and electronics, including reproduction of software.
- *Retail Trade* is redefined. In addition, eating and drinking places are transferred to a new *Accommodation and Food Services* sector.
- The difference between *Retail* and *Wholesale* is now based on how each store conducts business. For example, many computer stores are reclassified from wholesale to retail.
- Nine new service sectors and 250 new service industries are recognized.

All new numbering system

Numeric codes for each NAICS classification are completely different from those of the SIC. The new numbering system underscores the "clean slate" approach taken in NAICS and allows its classification changes to be fully developed. The new system provides five levels of classification (up from four in the SIC), detailed codes that have a maximum of six-digits (up from four in the SIC) and detailed classifications called "U.S. Industry" (instead of "Industry" in the SIC). These changes require new numbers, even for industries that continue without change. For example, both NAICS and SIC include the detailed industry, "Passenger car rental." However, in NAICS, it has code number 532111, and in the SIC, it was code number 7514. While all NAICS numeric codes are new, like the SIC, they are organized into multi-level hierarchical classification groups that build up from the detailed industry level. The additional level of classification and expanded number of digits permit NAICS to account for the increased number of classifications, provide flexibility in structuring industry classification groups, and allow for country-based variations in classification detail.

A variety of information resources are available to help users of business statistics understand and use NAICS. Additional information, answers to frequently asked questions, and updated agency implementation plans are available at the Census Bureau's Internet site:

www.census.gov/naics

Answers to specific classification and data program inquiries may also be addressed to industry experts at:

Phone: 1-888-75NAICS

E-mail: naics@census.gov

Projection Methods And Economic Assumptions

The employment projection process consists of two phases – first, projections for employment by industry are made using both historical data and current information about the economy. Next, the industry projections become a primary data source used to project changes in occupational employment.

Changes in occupational employment over time result from two principal sources: industry growth and technological change. In developing occupational employment projections, both of these components must be addressed.

The following is a discussion of how industry and occupational projections are developed, beginning with a description of data sources and followed by a description of the steps involved.

Principal Data Sources

Employment by Industry

The source of the official historical industry employment series used for industry projections for the state and each county is the Current Employment Statistics (CES) program. This is a Federal/State co-operative program that compiles monthly estimates of industry employment groupings for the state and each county. These monthly industry employment estimates are based primarily on employer sample surveys.

A second source used in industry forecasts is the Covered Employment and Wage Data, or ES-202 program. Essentially, this program extracts employment and wage information from quarterly tax returns filed by each California employer covered by unemployment insurance. Each employer has been assigned a specific industry and county code and these data are compiled to provide the 'actual' industry employment levels for each industry and county. These data are then used for benchmarking the monthly industry employment

estimates made in the CES program. This is also a Federal/State co-operative program.

Employment by Occupation

Occupational employment estimates are based on survey data collected through the Occupational Employment Statistics (OES) program. The OES survey is an annual mail survey of non-farm employers conducted by the Employment Development Department in cooperation with the U.S. Bureau of Labor Statistics. The survey is based on a sample designed to represent the universe of employers in each state. In California, data are collected for over 800 occupations at the three-digit SIC level of detail. The survey samples approximately 110,000 business establishments over a three year period.

The Process

Industry Projections

Industry projections are first developed at aggregated levels (industry groupings) for the state and each county based on the Current Employment Statistics employment series.

Second, these aggregated industry projections are then broken down into more industry specific detail using the ES-202 data. The industry specific projections then become the primary source from which occupational projections are developed by using industry staffing patterns data. The following steps outline the process:

- Approximately every two years, industry employment projections are produced for the nation by the Bureau of Labor Statistics.
- Industry projections are then developed for the State using input from the national forecast and the historical industry employment series for the State.

- County industry projections are then developed using input from the state forecast and the historical employment series for each county.
- State projections are developed for ten years from the base period and county projections are developed for seven years from the base period.
- The State forecasts are reviewed by Labor Market Information Division (LMID) industry analysts, California's Department of Finance, and academics.
- County forecasts are reviewed by local area consultants who provide up to date information regarding recent developments in each county that would not normally be accounted for in the model.

Occupational Projections

The distribution of industry employment by occupation is performed in three steps.

- OES survey responses are summarized by industry and matched with the appropriate SIC in the area. (In cases where local OES responses are not available, either state-wide responses or another area's responses are substituted.)
- The survey data are adjusted to total to the annual average employment level for each industry. This results in estimates of employment by occupation within the three-digit SICs for the base year.
- Finally, base year staffing patterns are adjusted to account for projected shifts in the occupational distributions due to technological changes. These projected changes are derived from special studies conducted by the U.S. Bureau of Labor Statistics. Applying these changes to the base year staffing patterns results in staffing patterns by three-digit SIC for the projected year. Projected year staffing patterns are applied to the industry employment projections

to produce occupational employment projections within three-digit SICs. Data by occupation are then summed to get the occupational estimates. The difference between the base year occupation estimates and the projected year projections represents the job growth resulting from industry growth and from technological change. (Change factors do not try to predict regulatory changes.)

Demand for workers is also created by openings that result when workers leave their jobs to enter other occupations, retire, or leave the labor force for other reasons. These openings, termed *separations*, are important because, in most occupations, they exceed job openings resulting from employment growth. Even occupations that are projected to decline usually provide job openings due to separations. Separations are developed from separation rates compiled on a national basis every two years by the Bureau Of Labor Statistics.

Economic Assumptions

The industry and occupational projections in this report are based on the following assumptions:

- ✓ The institutional framework of the U.S. economy will not change radically.
- ✓ Recent technological and scientific trends will continue.
- ✓ The long-term employment patterns will continue in most industries.
- ✓ Federal, state, and local government agencies will continue to operate under budgetary constraints.
- ✓ No major events, such as war, will occur that will significantly alter the industrial structure of the economy, the occupational staffing patterns, or the rate of long-term growth.
- ✓ Population growth rates and age distributions will not differ significantly from Department of Finance projections presently available.
- ✓ Attitudes toward work, education, income, and leisure will not change significantly.

Projections & Planning Information

Module E:

Wages

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Occupational Employment Statistics Wage Survey

The Occupational Employment Statistics (OES) survey is an annual mail survey measuring occupational employment and occupational wage rates for wage and salary workers in nonfarm establishments by industry. The survey samples approximately 37,000 establishments per year, taking 3 years to fully collect the sample of 113,000 establishments in California.

The 2000 OES survey is the second year to use the new Standard Occupational Classification (SOC) system to identify occupational categories. These survey samples are based only on two years of data collected in the 1999 and 2000 survey. Surveys prior to 1999 used the Occupational Employment Statistics (OES) classification system. Of the nearly 770 SOC occupations, 374 are a direct match with the OES classification system definitions. The rest are newly defined SOC occupations. The SOC structure and definitions can be found at the Bureau of Labor Statistics (BLS) SOC website at www.bls.gov.

The wage data for all occupations have been updated to the third quarter of 2001 by applying the Employment Cost Index of the 2000 SOC wage database. The occupational employment estimates are for 2000. A more complete set of technical notes for the 2000 OES survey is available at the BLS website.

'Employment' Definition

The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees; workers on paid vacations or other types of leave; workers on unpaid or short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station, regardless of whether that unit prepares their paycheck. The survey excludes the self-employed, owners/partners of unincorporated firms, and unpaid family workers. Employees are reported in the occupation in which they are working, not necessarily for which they were trained.

Business Establishment Description

The OES survey uses the Standard Industrial Classification (SIC) system to classify all an economic unit which processes goods or provides services, such as a factory or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The scope of the survey includes establishments in SIC codes 07, 10, 12 to 17, 20 to 42, 44 to 65, 67, 70, 72, 73, 75, 76, 78 to 84, 86, 87, and 89 covering agricultural services; mining; construction; manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and government.

Source of Sample Selection

The California Unemployment Insurance (UI) file provided the universe from which the OES survey draws its sample. The employment benchmark was obtained from reports submitted by employers to the UI program. In some nonmanufacturing industries, supplemental sources are used for establishments not reporting to the UI program.

The OES survey frame is stratified by area, industry and size class. Size classes are defined as follows:

<u>Size Class</u>	<u>Number of Employees</u>
1	1 to 4
2	5 to 9
3	10 to 19
4	20 to 49
5	50 to 99
6	100 to 249
7	250 and above

UI reporting units with 250 or more employees are sampled with certainty across a 3-year period. Generally, one-third of the certainty units are sampled each year in each state. There are some states that sample more than one-third of their certainty units during one survey year.

Terms and Concepts

Employment represents the estimate of total wage and salary employment in an occupation across the industries in which it was surveyed. The OES survey form contains between 50 and 225 SOC occupations selected on the basis of the industry classification and size of the sampled establishments. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected from establishments within industries that are the predominant employers of labor in those occupations.

Wages for the OES survey are straight-time gross pay, exclusive of premium pay. Included are base rate, cost-of-living allowances, guaranteed pay, hazardous duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer cost of supplementary benefits, and tuition reimbursements.

The OES survey collects wage data in 12 intervals. Employers report the number of employees in an occupation per each wage range. The wage intervals are as follows:

Interval	Hourly Wage	Annual Wage
A	Under \$6.75	Under \$14,040
B	\$6.75 to 8.49	\$14,040 to 17,679
C	\$8.50 to 10.74	\$17,680 to 22,359
D	\$10.75 to 13.49	\$22,360 to 28,079
E	\$13.50 to 16.99	\$28,080 to 35,359
F	\$17.00 to 21.49	\$35,360 to 44,719
G	\$21.50 to 27.24	\$44,720 to 56,679
H	\$27.25 to 34.49	\$56,680 to 71,759
I	\$34.50 to 43.74	\$71,760 to 90,999
J	\$43.75 to 55.49	\$91,000 to 115,439
K	\$55.50 to 69.99	\$115,440 to 145,599
L	\$70.00 and over	\$145,600 and over

Wages are calculated using wage data from establishments in the industries that are the predominant employers of an occupation. Industries that do not typically employ workers in a given occupation are not included in the calculation of the mean and median wage.

Mean Hourly Wage is the estimated total wages for an occupation divided by its weighted survey employment. When the wages for an occupation are concentrated in the upper wage interval, it is not possible to calculate a reliable mean. In those instances, both the mean hourly wage and the mean annual wage are replaced by a "(3)" and the user is referred to the appropriate footnote. There are a small number of occupations where only an annual wage figure is provided; the workers in these occupations are generally paid on an annual basis, and their annual wage has been directly calculated from the reported survey data. Occupations that typically have a work-year of less than 2,080 hours include musical and entertainment occupations, aircraft pilots, flight attendants, and teachers. These occupations are identified in the data tables with "(2)" in the hourly wage cells.

Median Hourly Wage is the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below the median wage, and 50 percent earn wages above the median wage.

Entry-Level Hourly Wage is the mean of the first third of the wage distribution. This calculation is provided as a proxy for an entry-level wage.

First Quartile Wage is the estimated 25th percentile of the distribution of wages; 25 percent of workers in an occupation earn wages below the first quartile wage, and 75 percent earn wages above the first quartile wage.

Third Quartile Wage is the estimated 75th percentile of the distribution of wages; 75 percent of workers in an occupation earn wages below the third quartile wage, and 25 percent earn wages above the third quartile wage.

Metropolitan Area The general concept of a metropolitan area (MA) is one of a large population nucleus, together with adjacent communities that have a high degree of economic and social integration with that nucleus. Some MAs are defined around two or more nuclei. The MAs are designated and defined by the Federal Office of Management and Budget, following a set of official published standards. These standards were developed by

the Interagency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MAs nationwide.

Metropolitan Statistical Area (MSA) A MSA comprises one or more central counties. A MSA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. The title of a MSA contains the name of its largest city and up to two additional city names, provided that the additional places meet specified levels of population, employment and commuting. Generally a city of 250,000 or more is in the title, regardless of other criteria.

Primary Metropolitan Statistical Area (PMSA) The criteria that designates and defines a MSA also designates and defines a PMSA. If an area that qualifies as a MA has more than one million persons, primary metropolitan statistical areas (PMSAs) may be defined within it. PMSAs consist of a large urbanized county or cluster of counties that demonstrate very strong internal economic and social links, in addition to close ties to other portions of the larger area. The title of a PMSA may contain up to three place names, or up to three county names, sequenced in order of population.

Consolidated Metropolitan Statistical Area (CMSA) A CMSA consists of two or more Primary Metropolitan Statistical Areas (PMSAs).

Occupational Employment Statistics (OES) Survey Results

Orange PMSA

Orange County

These survey data are from the 2001 Occupational Employment Statistics (OES) survey. The wages have all been updated to the third quarter of 2002 by applying the US Department of Labor's Employment Cost Index to the 2001 wages. Occupations are classified using the Standard Occupational Classification (SOC) codes. For details of the methodology, see the Overview of the OES Survey at [http://www.calmis.ca.gov/file/occup\\$/oes\\$.htm](http://www.calmis.ca.gov/file/occup$/oes$.htm)

(Sorted by Occupational Title)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2011	Accountants and Auditors	\$18.15	\$27.87	\$20.34	\$26.04	\$32.67
27-2011	Actors	(2)	(2)	(2)	(2)	(2)
15-2011	Actuaries	\$27.57	\$40.29	\$30.53	\$38.13	\$50.18
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	\$28.66	\$36.93	\$29.67	\$33.17	\$47.11
11-3011	Administrative Services Managers	\$17.34	\$31.75	\$20.20	\$28.78	\$41.35
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	\$24.52	\$32.81	\$29.14	\$34.12	\$39.77
11-2011	Advertising and Promotions Managers	\$20.99	\$36.44	\$24.28	\$34.99	\$46.15
41-3011	Advertising Sales Agents	\$13.93	\$26.99	\$16.66	\$25.35	\$31.41
19-4011	Agricultural and Food Science Technicians	\$9.83	\$13.22	\$10.99	\$12.35	\$13.83
19-1010	Agricultural and Food Scientists	\$11.77	\$18.81	\$13.53	\$16.54	\$24.84
53-2021	Air Traffic Controllers	\$16.29	\$31.69	\$18.13	\$34.69	\$44.08
53-1011	Aircraft Cargo Handling Supervisors	\$10.45	\$15.98	\$10.73	\$13.28	\$21.74
49-3011	Aircraft Mechanics and Service Technicians	\$13.89	\$19.76	\$15.76	\$18.75	\$24.08
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	\$8.39	\$15.49	\$10.10	\$13.78	\$22.37

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-2022	Airfield Operations Specialists	\$15.26	\$22.24	\$16.39	\$21.50	\$28.33
53-2011	Airline Pilots, Copilots, and Flight Engineers	(2)	(2)	(2)	(2)	(2)
27-1099	All Other Art and Design Workers	\$17.04	\$34.43	\$20.33	\$33.80	\$44.88
37-9099	All Other Building and Grounds Cleaning and Maintenance Workers	\$7.13	\$11.58	\$7.34	\$10.34	\$14.95
47-4999	All Other Construction Trades and Related Workers	\$11.77	\$16.89	\$12.04	\$13.32	\$19.97
21-9099	All Other Counselors, Social and Religious Workers	\$9.43	\$16.68	\$10.99	\$16.03	\$22.18
17-3099	All Other Drafters, Engineering, and Mapping Technicians	\$18.51	\$25.72	\$20.39	\$24.22	\$29.19
49-2099	All Other Electrical and Electronic Equipment Mechanics, Installers, and Repairers	\$10.27	\$16.44	\$11.13	\$15.47	\$20.49
43-4999	All Other Financial, Information, and Record Clerks	\$10.47	\$15.03	\$11.42	\$14.10	\$17.67
51-3099	All Other Food Processing Workers	\$7.30	\$9.59	\$7.51	\$8.77	\$11.58
29-9199	All Other Health Professionals and Technicians	\$7.74	\$16.51	\$8.58	\$14.36	\$22.46
23-9099	All Other Legal and Related Workers	\$14.20	\$20.81	\$15.18	\$17.83	\$25.48
43-5199	All Other Material Recording, Scheduling, Dispatching, and Distributing Workers	\$8.09	\$13.14	\$9.19	\$12.21	\$15.79
51-5099	All Other Printing Workers	\$6.98	\$9.18	\$7.21	\$8.85	\$10.44
43-9999	All Other Secretaries, Administrative Assistants, and Other Office Support	\$7.69	\$14.82	\$8.39	\$15.48	\$18.63
25-3999	All Other Teachers, Primary, Secondary, and Adult	(2)	(2)	(2)	(2)	(2)
53-5099	All Other Water Transportation Workers	\$6.75*	\$7.45	\$6.75*	\$6.75*	\$7.00
39-3091	Amusement and Recreation Attendants	\$6.75*	\$7.21	\$6.75*	\$6.90	\$8.01
39-2011	Animal Trainers	\$6.89	\$10.67	\$7.35	\$8.57	\$15.51

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
27-3010	Announcers	\$9.95	\$20.21	\$11.61	\$14.48	\$27.26
19-3091	Anthropologists and Archeologists	\$15.96	\$24.17	\$18.02	\$21.62	\$25.92
13-2021	Appraisers and Assessors of Real Estate	\$17.65	\$28.77	\$21.45	\$28.25	\$35.44
17-1011	Architects, Except Landscape and Naval	\$18.88	\$26.25	\$19.11	\$21.16	\$31.05
17-3011	Architectural and Civil Drafters	\$15.96	\$23.11	\$18.64	\$22.91	\$27.08
17-0000	Architecture and Engineering Occupations	\$19.12	\$30.70	\$22.12	\$29.79	\$38.45
25-4010	Archivists, Curators, and Museum Technicians	\$10.40	\$19.14	\$11.13	\$14.39	\$24.41
27-1011	Art Directors	\$21.45	\$29.52	\$24.32	\$29.18	\$33.80
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	\$10.36	\$21.08	\$12.56	\$18.76	\$26.42
51-2099	Assemblers and Fabricators, All Other	\$7.12	\$10.00	\$7.38	\$8.80	\$10.74
29-9091	Athletic Trainers	(2)	(2)	(2)	(2)	(2)
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-4011	Audio and Video Equipment Technicians	\$8.15	\$17.06	\$9.06	\$12.53	\$20.33
29-1121	Audiologists	\$19.19	\$24.44	\$19.23	\$21.32	\$31.24
25-9011	Audio-Visual Collections Specialists	\$13.32	\$17.28	\$14.25	\$16.69	\$19.37
49-3021	Automotive Body and Related Repairers	\$10.13	\$19.51	\$12.13	\$19.33	\$25.92
49-3022	Automotive Glass Installers and Repairers	\$13.66	\$15.83	\$15.27	\$16.51	\$17.74
49-3023	Automotive Service Technicians and Mechanics	\$9.54	\$17.33	\$11.10	\$16.31	\$21.55
39-6011	Baggage Porters and Bellhops	\$6.75*	\$6.90	\$6.75*	\$6.75*	\$7.53
51-3011	Bakers	\$7.08	\$10.67	\$7.60	\$9.35	\$13.33

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
39-5011	Barbers	\$6.82	\$7.67	\$6.84	\$7.24	\$7.98
35-3011	Bartenders	\$6.75*	\$8.49	\$6.75*	\$7.44	\$9.19
43-3011	Bill and Account Collectors	\$11.02	\$15.14	\$12.16	\$14.74	\$17.37
43-3021	Billing and Posting Clerks and Machine Operators	\$8.31	\$14.28	\$10.61	\$13.77	\$17.09
51-5011	Bindery Workers	\$6.75*	\$10.42	\$7.06	\$8.99	\$13.77
19-1021	Biochemists and Biophysicists	\$16.00	\$25.00	\$16.57	\$20.41	\$29.49
19-4021	Biological Technicians	\$11.48	\$15.64	\$12.25	\$14.54	\$17.58
17-2031	Biomedical Engineers	\$23.80	(3)	\$27.00	\$36.16	>\$70.00
47-2011	Boilermakers	\$12.62	\$21.43	\$14.68	\$19.80	\$27.05
43-3031	Bookkeeping, Accounting, and Auditing Clerks	\$11.30	\$16.23	\$13.00	\$15.98	\$19.23
47-2021	Brickmasons and Blockmasons	\$11.99	\$20.97	\$14.80	\$20.72	\$26.99
27-4012	Broadcast Technicians	\$7.53	\$12.68	\$8.08	\$9.57	\$15.27
43-4011	Brokerage Clerks	\$12.94	\$17.53	\$13.90	\$17.14	\$20.40
13-2031	Budget Analysts	\$20.18	\$28.77	\$22.07	\$27.19	\$35.09
37-0000	Building and Grounds Cleaning and Maintenance Occupations	\$7.01	\$9.85	\$7.33	\$8.46	\$10.97
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	\$15.10	\$21.07	\$17.39	\$21.04	\$25.35
53-3022	Bus Drivers, School	\$11.57	\$14.56	\$12.63	\$15.00	\$16.90
53-3021	Bus Drivers, Transit and Intercity	\$9.77	\$14.77	\$10.89	\$13.70	\$19.41
13-0000	Business and Financial Operations Occupations	\$16.46	\$26.64	\$18.75	\$24.77	\$32.58
13-1199	Business Operations Specialists, All Other	\$15.30	\$24.89	\$17.80	\$23.26	\$30.50

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-3021	Butchers and Meat Cutters	\$8.37	\$14.49	\$9.22	\$13.15	\$19.99
51-7011	Cabinetmakers and Bench Carpenters	\$7.36	\$11.02	\$7.86	\$9.95	\$13.34
27-4031	Camera Operators, Television, Video, and Motion Picture	\$11.47	\$23.91	\$13.33	\$24.06	\$32.02
53-5021	Captains, Mates, and Pilots of Water Vessels	\$10.84	\$13.89	\$11.28	\$12.49	\$13.74
29-2031	Cardiovascular Technologists and Technicians	\$13.99	\$20.20	\$15.73	\$20.23	\$24.75
43-5011	Cargo and Freight Agents	\$11.63	\$16.17	\$12.40	\$14.88	\$19.38
47-2031	Carpenters	\$13.46	\$21.55	\$15.77	\$20.98	\$27.48
47-2041	Carpet Installers	\$9.20	\$15.86	\$10.77	\$14.12	\$19.95
17-1021	Cartographers and Photogrammetrists	\$12.26	\$26.74	\$14.64	\$26.31	\$37.75
41-2011	Cashiers	\$6.75*	\$9.62	\$7.07	\$8.18	\$10.78
47-2051	Cement Masons and Concrete Finishers	\$13.19	\$19.85	\$15.36	\$20.32	\$24.75
51-9191	Cementing and Gluing Machine Operators and Tenders	\$6.87	\$10.12	\$7.33	\$9.60	\$11.13
35-1011	Chefs and Head Cooks	\$10.90	\$18.25	\$12.80	\$17.52	\$22.99
17-2041	Chemical Engineers	\$27.54	\$36.63	\$30.48	\$37.20	\$42.28
51-9011	Chemical Equipment Operators and Tenders	\$9.60	\$13.89	\$10.61	\$13.12	\$17.16
51-8091	Chemical Plant and System Operators	\$12.15	\$20.40	\$14.73	\$20.00	\$24.60
19-4031	Chemical Technicians	\$10.72	\$15.71	\$11.66	\$13.58	\$18.41
19-2031	Chemists	\$17.00	\$23.70	\$18.61	\$22.29	\$27.14
11-1011	Chief Executives	\$45.43	(3)	\$55.25	>\$70.00	>\$70.00
39-9011	Child Care Workers	\$6.75*	\$9.39	\$6.94	\$8.89	\$11.65

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
21-1021	Child, Family, and School Social Workers	\$12.78	\$18.75	\$14.06	\$19.40	\$22.53
27-2032	Choreographers	\$19.74	\$26.65	\$21.99	\$26.06	\$32.57
17-3022	Civil Engineering Technicians	\$20.72	\$28.57	\$23.12	\$28.10	\$35.18
17-2051	Civil Engineers	\$23.39	\$34.20	\$27.66	\$33.40	\$42.15
13-1031	Claims Adjusters, Examiners, and Investigators	\$15.10	\$24.09	\$16.61	\$22.42	\$31.16
53-7061	Cleaners of Vehicles and Equipment	\$6.75*	\$7.89	\$6.75*	\$7.34	\$8.58
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	\$7.28	\$10.45	\$8.03	\$9.91	\$12.51
21-2011	Clergy	\$17.52	\$22.92	\$19.52	\$22.30	\$26.43
19-3031	Clinical, Counseling, and School Psychologists	\$20.08	\$30.29	\$22.00	\$31.65	\$37.45
27-2022	Coaches and Scouts	(2)	(2)	(2)	(2)	(2)
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	\$7.93	\$11.06	\$8.51	\$10.29	\$12.94
51-2021	Coil Winders, Tapers, and Finishers	\$7.97	\$10.45	\$8.04	\$8.99	\$12.23
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	\$8.84	\$12.80	\$9.67	\$12.30	\$15.31
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	\$6.75*	\$7.63	\$6.86	\$7.54	\$8.28
27-1021	Commercial and Industrial Designers	\$15.01	\$26.07	\$18.25	\$24.94	\$32.15
53-2012	Commercial Pilots	(2)	(2)	(2)	(2)	(2)
43-2099	Communications Equipment Operators, All Other	\$10.55	\$15.79	\$11.47	\$16.52	\$19.36
21-0000	Community and Social Services Occupations	\$10.65	\$18.02	\$12.22	\$16.73	\$22.98
13-1072	Compensation, Benefits, and Job Analysis Specialists	\$18.47	\$25.58	\$20.27	\$24.49	\$29.95

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportati	\$14.26	\$23.24	\$15.68	\$21.21	\$30.28
15-1011	Computer and Information Scientists, Research	\$29.41	\$46.34	\$35.90	\$48.38	\$58.21
11-3021	Computer and Information Systems Managers	\$30.56	\$45.08	\$36.56	\$45.43	\$55.43
15-0000	Computer and Mathematical Occupations	\$20.24	\$32.14	\$23.51	\$31.18	\$40.59
43-9011	Computer Operators	\$11.55	\$17.26	\$13.60	\$16.58	\$20.34
15-1021	Computer Programmers	\$23.58	\$35.14	\$27.04	\$34.38	\$43.93
25-1021	Computer Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
15-1031	Computer Software Engineers, Applications	\$27.61	\$37.95	\$30.84	\$37.35	\$45.00
15-1032	Computer Software Engineers, Systems Software	\$26.22	\$38.25	\$30.68	\$38.50	\$45.70
15-1099	Computer Specialists, All Other	\$14.32	\$26.23	\$16.99	\$24.10	\$34.35
15-1041	Computer Support Specialists	\$14.95	\$21.89	\$16.95	\$21.07	\$26.25
15-1051	Computer Systems Analysts	\$23.44	\$32.66	\$25.74	\$31.41	\$39.91
49-2011	Computer, Automated Teller, and Office Machine Repairers	\$11.39	\$16.80	\$12.78	\$16.33	\$20.36
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	\$9.25	\$15.91	\$10.61	\$15.39	\$19.74
39-6012	Concierges	\$9.10	\$10.98	\$9.32	\$10.41	\$12.35
47-4011	Construction and Building Inspectors	\$20.14	\$26.86	\$23.09	\$27.28	\$32.21
47-0000	Construction and Extraction Occupations	\$10.75	\$19.20	\$12.63	\$18.40	\$24.94
47-2061	Construction Laborers	\$9.13	\$15.25	\$10.40	\$14.09	\$19.77
11-9021	Construction Managers	\$25.23	\$37.44	\$27.88	\$34.39	\$45.38
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	\$17.47	\$22.92	\$21.56	\$24.22	\$26.61

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-7011	Conveyor Operators and Tenders	\$9.04	\$11.78	\$9.81	\$11.66	\$13.24
35-2011	Cooks, Fast Food	\$6.75*	\$8.08	\$7.03	\$7.99	\$9.06
35-2012	Cooks, Institution and Cafeteria	\$6.99	\$11.09	\$7.83	\$10.36	\$13.73
35-2014	Cooks, Restaurant	\$8.33	\$9.87	\$9.03	\$9.95	\$10.87
35-2015	Cooks, Short Order	\$6.75*	\$8.62	\$7.14	\$8.28	\$9.92
33-3012	Correctional Officers and Jailers	\$9.50	\$19.63	\$10.56	\$22.36	\$26.55
43-4021	Correspondence Clerks	\$11.00	\$14.62	\$11.94	\$14.42	\$16.74
13-1051	Cost Estimators	\$18.60	\$27.98	\$21.72	\$26.56	\$33.10
39-3092	Costume Attendants	\$8.66	\$16.05	\$9.19	\$17.13	\$20.97
41-2021	Counter and Rental Clerks	\$7.01	\$10.58	\$7.39	\$8.65	\$10.92
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	\$7.14	\$8.13	\$7.25	\$7.85	\$8.47
43-5021	Couriers and Messengers	\$6.75*	\$9.13	\$6.97	\$7.90	\$10.05
23-2091	Court Reporters	\$14.06	\$22.58	\$14.84	\$21.66	\$30.37
53-7021	Crane and Tower Operators	\$12.01	\$20.92	\$15.57	\$22.11	\$25.74
13-2041	Credit Analysts	\$16.44	\$25.36	\$18.74	\$24.05	\$30.11
43-4041	Credit Authorizers, Checkers, and Clerks	\$11.39	\$19.56	\$13.13	\$16.54	\$23.09
33-9091	Crossing Guards	\$7.75	\$9.00	\$8.38	\$9.20	\$10.10
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	\$7.29	\$9.95	\$7.70	\$9.31	\$11.07
43-4051	Customer Service Representatives	\$10.60	\$15.03	\$11.75	\$14.09	\$17.47
51-9031	Cutters and Trimmers, Hand	\$7.51	\$9.82	\$7.95	\$9.30	\$10.91

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	\$8.01	\$11.81	\$8.80	\$11.02	\$13.90
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.43	\$11.29	\$8.13	\$10.30	\$13.68
27-2031	Dancers	\$10.20	\$21.94	\$11.98	\$23.28	\$30.66
43-9021	Data Entry Keyers	\$9.46	\$12.52	\$10.15	\$11.86	\$14.36
15-1061	Database Administrators	\$17.18	\$27.38	\$19.89	\$25.36	\$35.32
41-9011	Demonstrators and Product Promoters	\$7.92	\$10.15	\$7.88	\$8.69	\$10.60
31-9091	Dental Assistants	\$10.04	\$13.28	\$11.19	\$13.23	\$15.72
29-2021	Dental Hygienists	\$33.60	\$37.17	\$36.54	\$39.16	\$41.78
51-9081	Dental Laboratory Technicians	\$13.33	\$19.90	\$15.33	\$18.65	\$21.96
29-1020	Dentists	\$35.77	(3)	\$37.91	>\$70.00	>\$70.00
43-9031	Desktop Publishers	\$11.61	\$17.69	\$13.45	\$17.97	\$21.65
33-3021	Detectives and Criminal Investigators	\$26.13	\$34.36	\$30.26	\$35.29	\$41.39
29-2032	Diagnostic Medical Sonographers	\$19.32	\$24.85	\$21.50	\$25.16	\$27.98
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	\$6.75*	\$6.93	\$6.75*	\$6.81	\$7.42
21-2021	Directors, Religious Activities and Education	\$10.38	\$14.71	\$11.24	\$12.51	\$15.03
35-9021	Dishwashers	\$6.75*	\$7.17	\$6.75*	\$7.19	\$7.95
43-5032	Dispatchers, Except Police, Fire, and Ambulance	\$10.65	\$16.71	\$11.96	\$16.12	\$20.82
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	\$6.75*	\$14.48	\$6.75*	\$8.69	\$21.50
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$8.28	\$11.47	\$9.05	\$10.87	\$13.27

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-3031	Driver/Sales Workers	\$7.17	\$10.27	\$7.54	\$8.50	\$11.35
47-2081	Drywall and Ceiling Tile Installers	\$13.09	\$20.85	\$15.75	\$20.36	\$27.18
47-5021	Earth Drillers, Except Oil and Gas	\$14.67	\$19.49	\$15.84	\$19.01	\$22.40
19-3011	Economists	\$24.25	\$33.72	\$28.21	\$34.16	\$39.66
27-3041	Editors	\$15.95	\$23.34	\$18.25	\$21.74	\$27.46
11-9032	Education Administrators, Elementary and Secondary School	(2)	(2)	(2)	(2)	(2)
11-9031	Education Administrators, Preschool and Child Care Center/Program	\$14.02	\$17.78	\$14.60	\$16.47	\$19.93
25-0000	Education, Training, and Library Occupations	\$11.69	\$21.59	\$13.74	\$19.92	\$28.19
25-9199	Education, Training, and Library Workers, All Other	\$8.29	\$15.22	\$9.86	\$15.04	\$19.38
21-1012	Educational, Vocational, and School Counselors	\$10.08	\$20.72	\$11.32	\$18.73	\$29.32
49-2092	Electric Motor, Power Tool, and Related Repairers	\$11.55	\$14.56	\$13.48	\$15.20	\$16.61
17-3023	Electrical and Electronic Engineering Technicians	\$14.17	\$21.12	\$16.06	\$20.13	\$25.04
51-2022	Electrical and Electronic Equipment Assemblers	\$7.43	\$10.58	\$8.01	\$9.85	\$12.26
17-3012	Electrical and Electronics Drafters	\$14.02	\$21.20	\$15.90	\$19.94	\$25.64
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	\$9.86	\$16.92	\$11.68	\$15.55	\$21.44
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	\$13.90	\$20.11	\$16.12	\$20.47	\$24.21
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	\$9.69	\$21.41	\$11.28	\$21.00	\$32.20
17-2071	Electrical Engineers	\$22.79	\$32.50	\$26.20	\$31.86	\$38.48
47-2111	Electricians	\$17.48	\$23.46	\$18.98	\$21.78	\$29.77
51-2023	Electromechanical Equipment Assemblers	\$7.97	\$12.58	\$8.86	\$11.32	\$14.89

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-3024	Electro-Mechanical Technicians	\$12.65	\$18.19	\$14.11	\$16.75	\$23.07
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	\$7.16	\$10.35	\$7.99	\$10.50	\$12.37
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	\$9.74	\$15.81	\$11.03	\$14.67	\$19.11
17-2072	Electronics Engineers, Except Computer	\$25.52	\$35.31	\$29.32	\$35.82	\$41.93
25-2021	Elementary School Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
39-4011	Embalmers	\$12.16	\$14.01	\$11.96	\$12.97	\$15.07
13-1061	Emergency Management Specialists	\$18.09	\$27.03	\$21.28	\$25.99	\$30.25
29-2041	Emergency Medical Technicians and Paramedics	\$9.38	\$17.81	\$10.37	\$13.53	\$29.48
13-1071	Employment, Recruitment, and Placement Specialists	\$14.20	\$24.37	\$15.96	\$21.34	\$31.86
51-2031	Engine and Other Machine Assemblers	\$9.79	\$12.63	\$10.93	\$12.87	\$14.33
11-9041	Engineering Managers	\$36.42	\$51.00	\$41.67	\$51.95	\$59.61
17-2199	Engineers, All Other	\$24.21	\$33.75	\$27.60	\$33.79	\$40.62
17-3025	Environmental Engineering Technicians	\$13.42	\$19.38	\$15.61	\$18.89	\$21.77
17-2081	Environmental Engineers	\$17.48	\$26.56	\$18.78	\$25.18	\$32.58
19-4091	Environmental Science and Protection Technicians, Including Health	\$11.15	\$18.01	\$11.95	\$14.88	\$23.41
19-2041	Environmental Scientists and Specialists, Including Health	\$22.74	\$29.21	\$24.86	\$28.57	\$33.81
51-9194	Etchers and Engravers	\$8.30	\$10.50	\$8.95	\$10.20	\$11.47
53-7032	Excavating and Loading Machine and Dragline Operators	\$13.45	\$17.66	\$14.49	\$16.42	\$18.68
43-6011	Executive Secretaries and Administrative Assistants	\$13.62	\$18.93	\$15.11	\$18.51	\$22.21

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.31	\$13.24	\$9.26	\$13.16	\$16.85
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	\$7.27	\$9.51	\$7.62	\$8.86	\$11.16
51-6092	Fabric and Apparel Patternmakers	\$6.88	\$13.69	\$7.11	\$9.02	\$20.94
29-1062	Family and General Practitioners	\$40.95	\$56.00	\$54.09	\$60.94	\$66.90
49-3041	Farm Equipment Mechanics	\$11.86	\$15.81	\$12.91	\$15.72	\$17.95
45-0000	Farming, Fishing, and Forestry Occupations	\$6.75*	\$9.58	\$6.90	\$8.15	\$10.26
45-9099	Farming, Fishing, and Forestry Workers, All Other	\$7.21	\$12.50	\$7.39	\$10.26	\$15.02
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	\$6.75*	\$7.60	\$6.75*	\$7.24	\$8.34
45-2093	Farmworkers, Farm and Ranch Animals	\$7.60	\$10.11	\$7.91	\$9.37	\$12.47
27-1022	Fashion Designers	\$14.73	\$28.82	\$17.24	\$25.46	\$35.54
51-2091	Fiberglass Laminators and Fabricators	\$6.94	\$10.01	\$7.36	\$9.06	\$11.81
43-4071	File Clerks	\$7.65	\$10.90	\$8.47	\$10.26	\$12.58
13-2051	Financial Analysts	\$20.86	\$31.68	\$22.69	\$28.59	\$36.35
13-2061	Financial Examiners	\$18.85	\$26.78	\$21.93	\$25.23	\$28.95
11-3031	Financial Managers	\$29.50	\$44.04	\$34.44	\$44.28	\$53.68
13-2099	Financial Specialists, All Other	\$14.85	\$22.70	\$16.30	\$20.20	\$27.45
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	\$18.68	\$25.56	\$19.62	\$23.52	\$31.78
33-2011	Fire Fighters	\$20.78	\$27.24	\$23.34	\$28.86	\$32.46
33-2021	Fire Inspectors and Investigators	\$23.74	\$25.44	\$24.21	\$25.97	\$27.71

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	\$22.05	\$29.25	\$24.14	\$28.32	\$34.05
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	\$10.86	\$17.49	\$12.19	\$15.77	\$22.54
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	\$29.86	\$34.31	\$30.76	\$33.85	\$36.91
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	\$9.08	\$13.75	\$10.07	\$12.85	\$17.28
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	\$13.88	\$20.56	\$15.58	\$20.07	\$25.28
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	\$9.55	\$15.59	\$10.53	\$14.74	\$19.36
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	\$9.72	\$16.49	\$11.19	\$15.16	\$20.85
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	\$18.32	\$27.77	\$21.02	\$25.88	\$33.04
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	\$18.95	\$35.29	\$23.28	\$33.01	\$44.54
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	\$16.22	\$23.82	\$18.23	\$22.19	\$27.66
39-1021	First-Line Supervisors/Managers of Personal Service Workers	\$9.05	\$13.47	\$9.78	\$11.76	\$15.65
33-1012	First-Line Supervisors/Managers of Police and Detectives	\$37.23	\$44.75	\$39.45	\$44.06	\$50.35
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	\$13.91	\$22.88	\$16.22	\$21.64	\$28.05
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	\$11.05	\$19.32	\$12.69	\$16.68	\$21.45
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle	\$12.74	\$20.51	\$14.54	\$19.76	\$25.67
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	\$9.91	\$17.98	\$10.93	\$16.30	\$22.58
39-9031	Fitness Trainers and Aerobics Instructors	\$7.04	\$15.66	\$7.56	\$10.13	\$23.32
27-1023	Floral Designers	\$8.70	\$11.94	\$9.23	\$11.18	\$13.32

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	\$6.75*	\$8.79	\$6.75*	\$7.51	\$11.90
51-3092	Food Batchmakers	\$6.89	\$9.91	\$7.26	\$8.52	\$10.82
51-3093	Food Cooking Machine Operators and Tenders	\$7.13	\$11.76	\$7.30	\$8.66	\$17.63
35-9099	Food Preparation and Serving Related Workers, All Other	\$6.75*	\$7.48	\$6.75*	\$7.04	\$7.48
35-0000	Food Preparation and Serving-Related Occupations	\$6.75*	\$8.48	\$6.80	\$7.75	\$9.26
35-2021	Food Preparation Workers	\$7.24	\$8.86	\$7.48	\$8.35	\$9.95
35-3041	Food Servers, Nonrestaurant	\$6.90	\$9.15	\$7.36	\$8.58	\$10.94
11-9051	Food Service Managers	\$14.94	\$20.93	\$15.89	\$18.54	\$24.54
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.52	\$12.19	\$8.26	\$10.92	\$15.88
51-4071	Foundry Mold and Coremakers	\$7.98	\$13.11	\$8.41	\$10.34	\$15.53
39-4021	Funeral Attendants	\$9.87	\$11.52	\$9.88	\$10.93	\$13.11
11-9061	Funeral Directors	\$15.57	\$18.38	\$15.44	\$16.88	\$19.97
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	\$8.94	\$11.14	\$9.63	\$11.24	\$12.82
51-7021	Furniture Finishers	\$6.93	\$10.17	\$7.23	\$8.88	\$12.60
51-8092	Gas Plant Operators	\$18.37	\$25.08	\$21.62	\$25.80	\$28.55
11-1021	General and Operations Managers	\$25.38	\$46.25	\$30.88	\$44.88	\$61.78
19-3092	Geographers	\$16.57	\$21.19	\$17.74	\$19.79	\$22.36
19-4041	Geological and Petroleum Technicians	\$14.02	\$19.13	\$15.07	\$18.24	\$21.81
19-2042	Geoscientists, Except Hydrologists and Geographers	\$19.90	\$31.06	\$22.19	\$29.58	\$38.85
47-2121	Glaziers	\$12.44	\$19.63	\$13.98	\$18.22	\$25.60

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
45-2041	Graders and Sorters, Agricultural Products	\$6.75*	\$7.97	\$6.75*	\$7.18	\$8.38
25-1191	Graduate Teaching Assistants	(2)	(2)	(2)	(2)	(2)
27-1024	Graphic Designers	\$13.52	\$19.25	\$14.77	\$18.69	\$23.11
51-9022	Grinding and Polishing Workers, Hand	\$7.38	\$9.11	\$7.48	\$8.44	\$10.08
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Me	\$7.32	\$10.07	\$7.68	\$8.91	\$11.85
37-3019	Grounds Maintenance Workers, All Other	\$8.47	\$10.73	\$8.90	\$9.94	\$10.93
39-5012	Hairdressers, Hairstylists, and Cosmetologists	\$7.12	\$9.60	\$7.55	\$8.51	\$10.06
47-4041	Hazardous Materials Removal Workers	\$12.09	\$14.82	\$12.59	\$14.29	\$16.50
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	\$20.14	\$29.52	\$23.85	\$29.90	\$35.45
29-1199	Health Diagnosing and Treating Practitioners, All Other	\$8.15	\$19.19	\$8.74	\$18.72	\$27.13
21-1091	Health Educators	\$13.22	\$21.94	\$14.76	\$23.95	\$27.48
25-1071	Health Specialties Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
29-0000	Healthcare Practitioners and Technical Occupations	\$14.81	\$27.27	\$17.87	\$24.86	\$33.34
31-0000	Healthcare Support Occupations	\$8.55	\$11.71	\$9.21	\$10.98	\$13.57
31-9099	Healthcare Support Workers, All Other	\$9.91	\$13.32	\$10.90	\$12.89	\$15.09
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	\$7.99	\$11.46	\$8.57	\$10.40	\$13.42
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$13.94	\$21.40	\$15.83	\$20.29	\$26.24
47-3019	Helpers, Construction Trades, All Other	\$8.07	\$11.38	\$8.99	\$10.57	\$13.44

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$9.18	\$11.52	\$9.55	\$10.81	\$13.36
47-3012	Helpers--Carpenters	\$8.67	\$13.12	\$9.34	\$11.85	\$16.14
47-3013	Helpers--Electricians	\$8.16	\$11.94	\$9.48	\$11.80	\$13.60
47-5081	Helpers--Extraction Workers	\$7.39	\$10.32	\$7.73	\$10.00	\$12.26
49-9098	Helpers--Installation, Maintenance, and Repair Workers	\$6.75*	\$11.13	\$7.13	\$9.88	\$14.55
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	\$7.29	\$11.68	\$7.93	\$10.51	\$14.01
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	\$8.72	\$10.94	\$9.39	\$10.86	\$12.66
51-9198	Helpers--Production Workers	\$6.77	\$9.53	\$7.11	\$8.32	\$10.67
47-3016	Helpers--Roofers	\$8.00	\$9.52	\$8.08	\$9.04	\$10.73
47-4051	Highway Maintenance Workers	\$7.62	\$12.31	\$7.76	\$8.63	\$18.44
49-9031	Home Appliance Repairers	\$11.40	\$18.38	\$13.13	\$17.65	\$24.41
31-1011	Home Health Aides	\$6.98	\$8.99	\$7.36	\$8.69	\$10.27
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	\$6.75*	\$7.70	\$6.75*	\$7.29	\$8.57
43-4081	Hotel, Motel, and Resort Desk Clerks	\$7.77	\$9.32	\$8.03	\$9.31	\$10.46
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	\$12.21	\$16.93	\$13.55	\$16.49	\$19.84
11-3040	Human Resources Managers	\$26.34	\$40.81	\$31.07	\$44.59	\$51.70
19-2043	Hydrologists	\$21.27	\$32.20	\$23.70	\$30.76	\$38.81
17-3026	Industrial Engineering Technicians	\$15.00	\$22.00	\$16.63	\$20.23	\$25.52
17-2112	Industrial Engineers	\$22.33	\$31.12	\$25.42	\$31.02	\$36.76
49-9041	Industrial Machinery Mechanics	\$15.11	\$21.61	\$17.52	\$22.34	\$26.28

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
11-3051	Industrial Production Managers	\$24.15	\$37.31	\$28.03	\$36.25	\$44.89
53-7051	Industrial Truck and Tractor Operators	\$9.08	\$14.05	\$10.13	\$13.38	\$17.86
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	\$7.60	\$13.21	\$8.34	\$11.65	\$16.46
49-0000	Installation, Maintenance, and Repair Occupations	\$10.30	\$18.30	\$12.23	\$17.51	\$23.41
49-9099	Installation, Maintenance, and Repair Workers, All Other	\$9.72	\$17.50	\$11.16	\$16.55	\$22.85
25-9031	Instructional Coordinators	\$13.50	\$26.18	\$15.37	\$25.48	\$36.85
47-2130	Insulation Workers	\$15.31	\$25.68	\$16.37	\$27.32	\$33.93
13-1032	Insurance Appraisers, Auto Damage	\$18.97	\$24.37	\$19.66	\$22.55	\$27.64
43-9041	Insurance Claims and Policy Processing Clerks	\$12.78	\$20.09	\$14.45	\$18.12	\$25.16
41-3021	Insurance Sales Agents	\$14.63	\$34.97	\$18.21	\$25.89	\$53.45
13-2053	Insurance Underwriters	\$15.48	\$25.73	\$17.83	\$23.27	\$32.01
27-1025	Interior Designers	\$9.66	\$13.94	\$9.52	\$10.41	\$16.20
29-1063	Internists, General	\$37.31	(3)	\$52.39	\$58.46	>\$70.00
43-4111	Interviewers, Except Eligibility and Loan	\$9.13	\$14.06	\$9.99	\$12.72	\$17.06
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	\$6.94	\$9.66	\$7.24	\$8.32	\$10.94
51-9071	Jewelers and Precious Stone and Metal Workers	\$6.75*	\$10.59	\$6.90	\$8.65	\$12.32
51-5021	Job Printers	\$10.69	\$16.48	\$12.05	\$15.90	\$21.05
25-2012	Kindergarten Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	\$7.00	\$10.06	\$7.38	\$8.83	\$11.78
17-1012	Landscape Architects	\$15.92	\$25.75	\$17.74	\$26.46	\$32.60

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
37-3011	Landscaping and Groundskeeping Workers	\$6.88	\$9.45	\$7.27	\$8.58	\$10.67
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$9.15	\$15.08	\$10.46	\$14.84	\$18.58
51-6011	Laundry and Dry-Cleaning Workers	\$7.20	\$9.30	\$7.31	\$8.57	\$11.00
23-2092	Law Clerks	\$12.40	\$18.38	\$12.71	\$15.36	\$24.39
23-1011	Lawyers	\$35.91	(3)	\$41.37	\$58.46	>\$70.00
51-4192	Lay-Out Workers, Metal and Plastic	\$7.84	\$11.72	\$8.52	\$10.61	\$13.86
23-0000	Legal Occupations	\$16.49	\$38.61	\$20.16	\$35.67	\$58.46
43-6012	Legal Secretaries	\$17.59	\$24.01	\$19.41	\$24.15	\$28.85
11-1031	Legislators	\$16.40	\$22.96	\$18.38	\$20.89	\$24.01
25-4021	Librarians	\$17.10	\$24.91	\$20.65	\$25.01	\$28.09
43-4121	Library Assistants, Clerical	\$9.02	\$12.66	\$10.07	\$12.34	\$15.08
25-4031	Library Technicians	\$11.00	\$15.59	\$12.79	\$15.89	\$18.32
29-2061	Licensed Practical and Licensed Vocational Nurses	\$14.63	\$18.77	\$15.57	\$17.74	\$21.33
19-0000	Life, Physical, and Social Science Occupations	\$15.57	\$27.00	\$18.40	\$25.12	\$34.53
13-2071	Loan Counselors	\$17.10	\$26.50	\$19.08	\$22.32	\$29.63
43-4131	Loan Interviewers and Clerks	\$11.50	\$16.16	\$12.78	\$15.60	\$18.82
13-2072	Loan Officers	\$17.74	\$28.64	\$20.17	\$26.13	\$34.61
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	\$6.99	\$8.84	\$7.27	\$8.21	\$9.65
49-9094	Locksmiths and Safe Repairers	\$11.07	\$15.12	\$11.76	\$13.57	\$18.23
11-9081	Lodging Managers	\$17.90	\$22.53	\$18.61	\$20.59	\$23.15

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-7063	Machine Feeders and Offbearers	\$7.29	\$10.49	\$7.73	\$9.38	\$11.39
51-4041	Machinists	\$9.52	\$16.90	\$10.88	\$15.90	\$21.82
37-2012	Maids and Housekeeping Cleaners	\$6.94	\$7.95	\$7.19	\$7.88	\$8.57
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	\$7.98	\$10.75	\$8.79	\$10.42	\$12.60
49-9042	Maintenance and Repair Workers, General	\$9.41	\$16.23	\$10.92	\$15.64	\$20.63
49-9043	Maintenance Workers, Machinery	\$9.26	\$16.64	\$10.71	\$16.96	\$21.62
13-1111	Management Analysts	\$21.91	\$33.23	\$25.03	\$31.67	\$41.27
11-0000	Management Occupations	\$23.73	\$42.81	\$28.67	\$41.38	\$57.02
11-9199	Managers, All Other	\$21.89	\$35.80	\$25.75	\$34.19	\$44.73
39-5092	Manicurists and Pedicurists	\$6.75*	\$6.92	\$6.75*	\$6.75*	\$7.37
19-3021	Market Research Analysts	\$18.87	\$30.42	\$21.58	\$27.90	\$39.09
11-2021	Marketing Managers	\$24.81	\$42.91	\$29.10	\$40.62	\$57.86
21-1013	Marriage and Family Therapists	\$9.56	\$12.86	\$9.48	\$10.40	\$16.02
53-7199	Material Moving Workers, All Other	\$7.83	\$14.03	\$8.63	\$11.71	\$16.79
17-2131	Materials Engineers	\$20.73	\$28.51	\$22.97	\$27.98	\$34.21
19-2032	Materials Scientists	\$19.34	\$30.18	\$21.32	\$29.53	\$38.16
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	\$6.75*	\$10.00	\$7.42	\$10.27	\$12.62
17-3013	Mechanical Drafters	\$16.23	\$21.49	\$18.00	\$20.84	\$24.80
17-3027	Mechanical Engineering Technicians	\$14.66	\$22.02	\$16.83	\$21.47	\$26.63
17-2141	Mechanical Engineers	\$23.18	\$33.37	\$26.06	\$32.07	\$40.56

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
27-4099	Media and Communication Equipment Workers, All Other	\$8.13	\$16.95	\$9.31	\$17.13	\$21.93
27-3099	Media and Communication Workers, All Other	\$13.12	\$21.64	\$14.70	\$20.57	\$26.68
29-2012	Medical and Clinical Laboratory Technicians	\$11.58	\$16.53	\$12.40	\$14.70	\$19.16
29-2011	Medical and Clinical Laboratory Technologists	\$20.05	\$25.53	\$21.92	\$25.37	\$29.34
11-9111	Medical and Health Services Managers	\$23.68	\$35.36	\$27.00	\$34.04	\$42.26
21-1022	Medical and Public Health Social Workers	\$14.32	\$21.38	\$17.03	\$22.56	\$26.11
51-9082	Medical Appliance Technicians	\$12.27	\$16.61	\$12.15	\$13.30	\$23.17
31-9092	Medical Assistants	\$9.73	\$12.45	\$10.14	\$11.97	\$14.35
31-9093	Medical Equipment Preparers	\$9.08	\$12.01	\$9.73	\$11.71	\$13.97
49-9062	Medical Equipment Repairers	\$12.21	\$13.07	\$11.74	\$12.51	\$13.28
29-2071	Medical Records and Health Information Technicians	\$9.86	\$14.39	\$10.97	\$13.45	\$16.73
19-1042	Medical Scientists, Except Epidemiologists	\$19.46	\$29.37	\$22.59	\$27.00	\$35.93
43-6013	Medical Secretaries	\$7.02	\$11.39	\$8.48	\$11.76	\$13.50
31-9094	Medical Transcriptionists	\$13.38	\$16.35	\$14.48	\$16.28	\$18.12
13-1121	Meeting and Convention Planners	\$14.17	\$21.54	\$15.92	\$19.96	\$25.31
21-1023	Mental Health and Substance Abuse Social Workers	\$11.86	\$15.61	\$12.89	\$15.29	\$17.58
21-1014	Mental Health Counselors	\$10.89	\$16.37	\$11.91	\$14.29	\$20.92
27-1026	Merchandise Displayers and Window Trimmers	\$6.75*	\$12.31	\$7.13	\$9.94	\$15.19
51-4199	Metal Workers and Plastic Workers, All Other	\$7.29	\$12.25	\$8.04	\$11.12	\$15.42
51-4051	Metal-Refining Furnace Operators and Tenders	\$9.69	\$13.84	\$10.27	\$12.52	\$15.92

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
19-1022	Microbiologists	\$19.84	\$27.23	\$22.12	\$25.59	\$31.86
25-2022	Middle School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	\$9.56	\$14.23	\$10.25	\$12.81	\$17.09
49-9044	Millwrights	\$13.51	\$20.07	\$16.04	\$19.75	\$22.37
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	\$15.91	\$20.58	\$15.77	\$17.32	\$22.53
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	\$8.89	\$13.23	\$9.93	\$12.55	\$15.94
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	\$14.64	\$20.70	\$16.22	\$19.99	\$24.73
51-4061	Model Makers, Metal and Plastic	\$12.79	\$18.52	\$15.05	\$19.07	\$22.18
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	\$6.75*	\$8.77	\$6.76	\$7.84	\$9.84
39-3021	Motion Picture Projectionists	\$6.83	\$8.63	\$7.16	\$7.96	\$8.89
53-3099	Motor Vehicle Operators, All Other	\$6.75*	\$11.94	\$7.17	\$9.04	\$16.01
49-3051	Motorboat Mechanics	\$9.39	\$14.27	\$9.93	\$12.71	\$17.33
49-3052	Motorcycle Mechanics	\$13.71	\$16.90	\$14.53	\$16.42	\$19.81
27-1014	Multi-Media Artists and Animators	\$14.09	\$22.25	\$15.69	\$22.50	\$26.52
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$8.31	\$12.56	\$8.99	\$11.06	\$15.27
27-2041	Music Directors and Composers	(2)	(2)	(2)	(2)	(2)
27-2042	Musicians and Singers	(2)	(2)	(2)	(2)	(2)
11-9121	Natural Sciences Managers	\$30.89	\$48.07	\$35.75	\$48.22	\$59.60
15-1071	Network and Computer Systems Administrators	\$18.92	\$28.33	\$21.46	\$27.21	\$34.34

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
15-1081	Network Systems and Data Communications Analysts	\$22.05	\$31.93	\$25.05	\$30.68	\$38.75
43-4141	New Accounts Clerks	\$11.16	\$14.30	\$11.86	\$14.25	\$16.36
27-3020	News Analysts, Reporters and Correspondents	\$10.99	\$20.12	\$12.24	\$17.36	\$23.43
39-2021	Nonfarm Animal Caretakers	\$7.53	\$9.42	\$7.57	\$8.39	\$10.26
29-2033	Nuclear Medicine Technologists	\$19.54	\$25.40	\$23.23	\$26.23	\$29.46
51-4012	Numerical Tool and Process Control Programmers	\$15.10	\$22.90	\$17.52	\$21.25	\$27.45
31-1012	Nursing Aides, Orderlies, and Attendants	\$8.46	\$10.25	\$8.93	\$10.09	\$11.52
25-1072	Nursing Instructors and Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
29-9010	Occupational Health and Safety Specialists and Technicians	\$19.11	\$27.49	\$22.02	\$27.65	\$33.52
31-2012	Occupational Therapist Aides	\$10.81	\$21.29	\$10.97	\$25.47	\$27.76
31-2011	Occupational Therapist Assistants	\$15.48	\$20.74	\$18.84	\$21.71	\$25.06
29-1122	Occupational Therapists	\$27.63	\$35.16	\$30.29	\$35.14	\$42.39
43-0000	Office and Administrative Support Occupations	\$9.08	\$14.75	\$10.47	\$13.72	\$18.02
43-9061	Office Clerks, General	\$8.75	\$12.55	\$9.80	\$12.27	\$14.97
43-9071	Office Machine Operators, Except Computer	\$9.51	\$13.55	\$10.44	\$12.21	\$15.84
47-2073	Operating Engineers and Other Construction Equipment Operators	\$19.77	\$27.81	\$23.88	\$29.43	\$33.63
15-2031	Operations Research Analysts	\$21.64	\$28.28	\$23.43	\$26.91	\$32.15
51-9083	Ophthalmic Laboratory Technicians	\$9.29	\$14.98	\$10.47	\$13.72	\$18.70
29-2081	Opticians, Dispensing	\$12.74	\$16.83	\$13.42	\$17.42	\$20.08
29-1041	Optometrists	\$26.74	\$39.81	\$34.52	\$40.47	\$45.59

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-4151	Order Clerks	\$7.00	\$12.38	\$7.90	\$11.23	\$15.91
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	\$9.32	\$11.33	\$9.90	\$11.29	\$12.71
51-9111	Packaging and Filling Machine Operators and Tenders	\$6.75*	\$9.82	\$6.76	\$8.31	\$12.37
53-7064	Packers and Packagers, Hand	\$6.75*	\$8.38	\$6.92	\$7.80	\$8.94
47-2141	Painters, Construction and Maintenance	\$10.34	\$14.22	\$11.47	\$13.61	\$16.49
51-9122	Painters, Transportation Equipment	\$10.90	\$18.03	\$12.23	\$15.22	\$22.92
51-9123	Painting, Coating, and Decorating Workers	\$7.33	\$10.64	\$7.76	\$9.35	\$12.62
51-9196	Paper Goods Machine Setters, Operators, and Tenders	\$9.61	\$16.09	\$11.90	\$17.10	\$20.37
23-2011	Paralegals and Legal Assistants	\$11.51	\$21.95	\$13.00	\$20.53	\$28.91
33-3041	Parking Enforcement Workers	\$14.01	\$17.60	\$15.27	\$17.18	\$20.54
53-6021	Parking Lot Attendants	\$6.98	\$8.21	\$7.18	\$7.82	\$8.46
41-2022	Parts Salespersons	\$9.70	\$18.58	\$10.88	\$15.09	\$22.58
51-4062	Patternmakers, Metal and Plastic	\$8.72	\$14.82	\$9.48	\$15.36	\$18.10
47-2071	Paving, Surfacing, and Tamping Equipment Operators	\$12.55	\$22.43	\$14.87	\$21.52	\$31.31
43-3051	Payroll and Timekeeping Clerks	\$10.82	\$14.66	\$11.55	\$13.43	\$17.54
29-1065	Pediatricians, General	\$19.81	(3)	\$21.82	\$59.59	>\$70.00
39-9021	Personal and Home Care Aides	\$6.89	\$8.31	\$7.24	\$8.11	\$9.22
39-0000	Personal Care and Service Occupations	\$6.75*	\$10.36	\$6.75*	\$8.23	\$11.68
39-9099	Personal Care and Service Workers, All Other	\$8.34	\$12.86	\$9.27	\$12.86	\$15.66
13-2052	Personal Financial Advisors	\$20.59	\$39.93	\$23.39	\$32.90	\$61.78

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
37-2021	Pest Control Workers	\$10.92	\$13.22	\$11.52	\$12.83	\$14.12
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$8.01	\$10.54	\$8.42	\$9.98	\$11.84
17-2171	Petroleum Engineers	\$28.89	\$39.43	\$31.86	\$39.66	\$46.70
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	\$20.08	\$24.14	\$20.96	\$24.15	\$27.37
29-1051	Pharmacists	\$33.39	\$40.35	\$37.48	\$41.53	\$45.47
31-9095	Pharmacy Aides	\$7.78	\$10.76	\$8.33	\$10.28	\$12.75
29-2052	Pharmacy Technicians	\$10.49	\$14.71	\$12.14	\$14.96	\$17.10
27-4021	Photographers	\$7.48	\$11.02	\$7.77	\$8.88	\$13.16
51-9131	Photographic Process Workers	\$9.27	\$12.78	\$9.76	\$10.83	\$13.49
51-9132	Photographic Processing Machine Operators	\$9.14	\$12.26	\$9.94	\$11.90	\$14.29
19-2099	Physical Scientists, All Other	\$20.32	\$32.79	\$22.48	\$29.13	\$41.72
31-2022	Physical Therapist Aides	\$8.50	\$10.55	\$9.14	\$10.28	\$11.51
31-2021	Physical Therapist Assistants	\$16.50	\$20.58	\$18.35	\$20.96	\$23.92
29-1123	Physical Therapists	\$28.08	\$34.20	\$29.66	\$33.41	\$39.23
29-1071	Physician Assistants	\$23.49	\$32.77	\$29.54	\$33.82	\$40.14
29-1069	Physicians and Surgeons, All Other	\$21.83	(3)	\$23.66	\$40.49	>\$70.00
19-2012	Physicists	\$25.68	\$39.26	\$27.29	\$40.75	\$51.80
47-2151	Pipelayers	\$16.94	\$21.84	\$18.87	\$22.84	\$26.00
51-8099	Plant and System Operators, All Other	\$13.23	\$19.73	\$14.94	\$18.39	\$22.34
47-2161	Plasterers and Stucco Masons	\$9.20	\$16.12	\$10.26	\$14.32	\$21.17

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.52	\$11.03	\$8.20	\$9.93	\$12.51
47-2152	Plumbers, Pipefitters, and Steamfitters	\$12.52	\$19.29	\$14.31	\$19.66	\$24.11
29-1081	Podiatrists	\$22.95	\$28.05	\$23.19	\$25.10	\$27.02
33-3051	Police and Sheriff's Patrol Officers	\$22.37	\$29.84	\$25.68	\$31.39	\$34.96
43-5031	Police, Fire, and Ambulance Dispatchers	\$17.48	\$21.84	\$19.59	\$22.20	\$25.60
49-9069	Precision Instrument and Equipment Repairers, All Other	\$13.41	\$19.97	\$15.47	\$19.62	\$24.86
51-5022	Prepress Technicians and Workers	\$9.16	\$16.43	\$10.84	\$15.77	\$21.82
25-2011	Preschool Teachers, Except Special Education	\$7.89	\$10.40	\$8.43	\$9.90	\$11.80
51-6021	Pressers, Textile, Garment, and Related Materials	\$6.75*	\$7.75	\$6.90	\$7.61	\$8.46
51-5023	Printing Machine Operators	\$7.48	\$12.52	\$8.28	\$10.87	\$15.14
33-9021	Private Detectives and Investigators	\$9.89	\$14.28	\$10.72	\$13.20	\$16.29
43-3061	Procurement Clerks	\$11.56	\$17.29	\$13.14	\$16.29	\$20.08
27-2012	Producers and Directors	(2)	(2)	(2)	(2)	(2)
51-0000	Production Occupations	\$7.28	\$12.29	\$7.86	\$10.26	\$14.80
51-9199	Production Workers, All Other	\$7.31	\$11.04	\$7.73	\$9.40	\$12.58
43-5061	Production, Planning, and Expediting Clerks	\$11.95	\$18.30	\$13.84	\$17.91	\$22.00
43-9081	Proofreaders and Copy Markers	\$9.34	\$13.96	\$10.09	\$12.59	\$17.91
11-9141	Property, Real Estate, and Community Association Managers	\$13.66	\$26.32	\$15.53	\$20.72	\$36.11
33-0000	Protective Service Occupations	\$7.98	\$17.89	\$8.61	\$12.06	\$27.93
29-2053	Psychiatric Technicians	\$13.25	\$17.01	\$14.31	\$17.18	\$19.91

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1066	Psychiatrists	\$39.86	\$57.07	\$54.08	\$58.46	\$61.46
11-2031	Public Relations Managers	\$22.62	\$39.10	\$26.55	\$34.98	\$50.60
27-3031	Public Relations Specialists	\$13.04	\$21.45	\$14.52	\$19.85	\$28.13
53-7072	Pump Operators, Except Wellhead Pumpers	\$12.67	\$17.65	\$14.30	\$17.64	\$21.15
13-1021	Purchasing Agents and Buyers, Farm Products	\$14.92	\$24.76	\$16.41	\$20.74	\$33.54
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	\$15.12	\$23.17	\$17.05	\$21.75	\$28.21
11-3061	Purchasing Managers	\$22.97	\$37.89	\$26.90	\$36.49	\$46.19
29-1124	Radiation Therapists	\$20.45	\$28.39	\$25.50	\$29.49	\$33.70
27-4013	Radio Operators	\$12.69	\$23.30	\$13.94	\$24.73	\$31.61
29-2034	Radiologic Technologists and Technicians	\$17.57	\$24.43	\$19.93	\$24.50	\$28.25
41-9021	Real Estate Brokers	\$15.12	\$33.15	\$17.55	\$26.42	\$43.23
41-9022	Real Estate Sales Agents	\$7.50	\$19.85	\$7.36	\$13.51	\$22.33
43-4171	Receptionists and Information Clerks	\$7.44	\$10.65	\$8.32	\$10.39	\$12.71
39-9032	Recreation Workers	\$6.80	\$10.03	\$7.38	\$9.34	\$11.23
29-1125	Recreational Therapists	\$9.45	\$15.53	\$10.49	\$16.03	\$18.47
49-3092	Recreational Vehicle Service Technicians	\$10.87	\$18.31	\$11.72	\$15.46	\$23.38
53-7081	Refuse and Recyclable Material Collectors	\$7.86	\$14.66	\$9.17	\$14.61	\$19.88
29-1111	Registered Nurses	\$21.62	\$26.45	\$23.30	\$26.35	\$29.88
21-1015	Rehabilitation Counselors	\$15.19	\$20.90	\$16.03	\$18.59	\$25.35
47-2171	Reinforcing Iron and Rebar Workers	\$11.33	\$15.28	\$12.04	\$14.19	\$17.60

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	\$8.22	\$14.08	\$8.78	\$11.28	\$19.63
39-9041	Residential Advisors	\$8.05	\$9.48	\$8.10	\$8.96	\$10.50
29-1126	Respiratory Therapists	\$17.76	\$20.97	\$18.53	\$20.62	\$23.00
29-2054	Respiratory Therapy Technicians	\$15.34	\$19.08	\$16.72	\$19.31	\$21.51
41-2031	Retail Salespersons	\$7.29	\$11.22	\$7.54	\$8.64	\$11.30
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	\$6.75*	\$9.39	\$6.88	\$9.22	\$11.42
47-2181	Roofers	\$9.06	\$15.34	\$10.38	\$13.66	\$19.22
47-5071	Roustabouts, Oil and Gas	\$14.93	\$17.56	\$15.48	\$17.73	\$20.11
41-0000	Sales and Related Occupations	\$7.45	\$17.51	\$8.17	\$12.17	\$21.85
41-9031	Sales Engineers	\$23.61	\$34.56	\$26.55	\$33.82	\$42.09
11-2022	Sales Managers	\$25.88	\$44.46	\$30.74	\$42.31	\$59.60
41-3099	Sales Representatives, Services, All Other	\$14.95	\$24.61	\$17.37	\$23.13	\$27.44
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Product	\$13.46	\$27.43	\$16.00	\$23.39	\$33.47
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	\$18.69	\$32.81	\$22.20	\$31.12	\$41.16
25-2031	Secondary School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
43-6014	Secretaries, Except Legal, Medical, and Executive	\$10.60	\$14.61	\$11.71	\$14.10	\$17.17
41-3031	Securities, Commodities, and Financial Services Sales Agents	\$13.85	\$32.68	\$16.79	\$25.79	\$47.86
49-2098	Security and Fire Alarm Systems Installers	\$11.80	\$16.75	\$13.49	\$16.35	\$19.31
33-9032	Security Guards	\$7.65	\$10.00	\$7.84	\$8.82	\$10.81

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-3021	Self-Enrichment Education Teachers	\$9.05	\$16.77	\$9.96	\$13.69	\$19.42
51-9141	Semiconductor Processors	\$8.60	\$12.22	\$9.62	\$11.39	\$14.40
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and	\$6.75*	\$10.26	\$6.75*	\$9.70	\$11.55
53-6031	Service Station Attendants	\$6.75*	\$8.01	\$6.75*	\$7.28	\$8.84
27-1027	Set and Exhibit Designers	\$14.24	\$22.09	\$17.78	\$24.15	\$26.98
51-6051	Sewers, Hand	\$6.75*	\$7.51	\$6.75*	\$7.01	\$8.02
51-6031	Sewing Machine Operators	\$6.75*	\$8.21	\$7.01	\$7.78	\$8.73
39-5093	Shampooers	\$6.94	\$7.96	\$7.38	\$8.08	\$8.77
47-2211	Sheet Metal Workers	\$9.35	\$17.14	\$11.23	\$15.33	\$22.26
43-5071	Shipping, Receiving, and Traffic Clerks	\$8.29	\$12.12	\$9.11	\$11.37	\$14.26
51-6041	Shoe and Leather Workers and Repairers	\$7.62	\$9.89	\$8.36	\$10.03	\$11.14
51-6042	Shoe Machine Operators and Tenders	\$9.85	\$11.62	\$9.53	\$10.23	\$10.95
39-5094	Skin Care Specialists	\$7.53	\$13.13	\$8.32	\$10.34	\$14.30
11-9151	Social and Community Service Managers	\$15.09	\$24.32	\$16.88	\$23.02	\$29.69
21-1093	Social and Human Service Assistants	\$10.37	\$15.64	\$11.90	\$14.56	\$18.02
27-4014	Sound Engineering Technicians	\$8.67	\$20.51	\$10.59	\$16.43	\$30.43
25-2042	Special Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	(2)	(2)	(2)	(2)	(2)
25-2043	Special Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1127	Speech-Language Pathologists	\$24.39	\$32.74	\$27.47	\$33.31	\$38.36
51-8021	Stationary Engineers and Boiler Operators	\$14.54	\$22.98	\$17.00	\$23.94	\$28.95
43-9111	Statistical Assistants	\$12.23	\$17.26	\$13.38	\$15.65	\$20.52
15-2041	Statisticians	\$23.94	\$34.27	\$27.65	\$37.41	\$41.19
43-5081	Stock Clerks and Order Fillers	\$7.35	\$11.45	\$8.03	\$10.63	\$13.79
47-2022	Stonemasons	\$13.50	\$20.43	\$16.51	\$20.22	\$25.13
47-2221	Structural Iron and Steel Workers	\$17.88	\$24.12	\$20.75	\$24.37	\$27.61
51-2041	Structural Metal Fabricators and Fitters	\$7.25	\$11.78	\$8.08	\$10.47	\$15.24
21-1011	Substance Abuse and Behavioral Disorder Counselors	\$13.20	\$17.80	\$13.97	\$16.59	\$21.43
29-1067	Surgeons	\$53.84	(3)	\$57.35	\$60.94	>\$70.00
29-2055	Surgical Technologists	\$14.14	\$17.11	\$14.87	\$16.65	\$19.32
19-3022	Survey Researchers	\$7.95	\$14.73	\$8.43	\$13.81	\$19.30
17-3031	Surveying and Mapping Technicians	\$13.90	\$22.44	\$15.23	\$23.11	\$27.55
17-1022	Surveyors	\$17.78	\$27.57	\$20.01	\$28.99	\$33.89
43-2011	Switchboard Operators, Including Answering Service	\$8.40	\$11.31	\$9.04	\$11.02	\$13.28
51-6052	Tailors, Dressmakers, and Custom Sewers	\$9.55	\$14.87	\$10.75	\$14.38	\$17.91
53-7121	Tank Car, Truck, and Ship Loaders	\$12.66	\$15.31	\$13.99	\$15.55	\$17.02
47-2082	Tapers	\$12.36	\$19.25	\$14.83	\$19.98	\$23.97
13-2081	Tax Examiners, Collectors, and Revenue Agents	\$18.75	\$27.71	\$20.82	\$27.98	\$34.36
53-3041	Taxi Drivers and Chauffeurs	\$7.63	\$11.96	\$8.40	\$11.50	\$15.14

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25-9041	Teacher Assistants	(2)	(2)	(2)	(2)	(2)
51-2092	Team Assemblers	\$7.30	\$10.10	\$7.71	\$9.24	\$11.42
27-3042	Technical Writers	\$20.63	\$29.19	\$23.30	\$29.39	\$34.90
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	\$16.06	\$21.47	\$18.79	\$22.64	\$25.79
49-9052	Telecommunications Line Installers and Repairers	\$13.35	\$21.09	\$15.83	\$23.61	\$26.30
41-9041	Telemarketers	\$8.11	\$12.55	\$8.81	\$10.60	\$14.89
43-2021	Telephone Operators	\$10.28	\$16.93	\$11.14	\$19.29	\$21.13
43-3071	Tellers	\$9.40	\$10.86	\$9.50	\$10.39	\$11.64
47-2053	Terrazzo Workers and Finishers	\$7.61	\$11.50	\$7.86	\$9.17	\$14.39
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	\$6.88	\$9.65	\$7.34	\$9.77	\$11.60
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	\$6.90	\$7.94	\$7.06	\$7.66	\$8.38
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	\$6.75*	\$7.66	\$6.75*	\$6.93	\$9.64
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	\$6.75*	\$7.88	\$6.75*	\$6.89	\$9.68
51-6099	Textile, Apparel, and Furnishings Workers, All Other	\$6.86	\$8.14	\$6.91	\$7.46	\$8.68
47-2044	Tile and Marble Setters	\$10.66	\$15.96	\$11.95	\$13.59	\$17.12
51-2093	Timing Device Assemblers, Adjusters, and Calibrators	\$9.39	\$14.41	\$10.14	\$12.46	\$17.79
49-3093	Tire Repairers and Changers	\$9.19	\$14.85	\$9.77	\$12.22	\$19.53
23-2093	Title Examiners, Abstractors, and Searchers	\$15.01	\$24.22	\$17.68	\$22.80	\$29.65
51-4111	Tool and Die Makers	\$13.79	\$20.75	\$16.27	\$20.90	\$25.20

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51-4194	Tool Grinders, Filers, and Sharpeners	\$8.98	\$14.46	\$10.04	\$14.15	\$18.16
39-6021	Tour Guides and Escorts	\$7.20	\$11.18	\$8.04	\$10.55	\$13.31
53-6041	Traffic Technicians	\$21.83	\$24.70	\$23.66	\$25.59	\$27.51
13-1073	Training and Development Specialists	\$16.47	\$25.28	\$19.31	\$23.99	\$31.07
53-0000	Transportation and Material Moving Occupations	\$7.12	\$11.75	\$7.63	\$10.04	\$15.03
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	\$7.71	\$10.08	\$7.59	\$8.27	\$9.63
53-6051	Transportation Inspectors	\$6.75*	\$14.48	\$6.75*	\$8.48	\$24.77
53-6099	Transportation Workers, All Other	\$10.83	\$19.69	\$13.49	\$21.77	\$25.59
11-3071	Transportation, Storage, and Distribution Managers	\$22.56	\$35.39	\$25.47	\$31.60	\$41.06
41-3041	Travel Agents	\$11.58	\$15.53	\$13.17	\$15.62	\$18.07
37-3013	Tree Trimmers and Pruners	\$7.43	\$10.77	\$7.79	\$9.04	\$11.82
53-3032	Truck Drivers, Heavy and Tractor-Trailer	\$13.05	\$17.19	\$14.46	\$17.05	\$19.91
53-3033	Truck Drivers, Light or Delivery Services	\$8.22	\$13.12	\$9.33	\$12.35	\$16.83
51-6093	Upholsterers	\$8.66	\$13.75	\$9.35	\$14.08	\$17.23
19-3051	Urban and Regional Planners	\$22.44	\$30.82	\$24.64	\$30.90	\$37.62
39-3031	Ushers, Lobby Attendants, and Ticket Takers	\$6.75*	\$6.75*	\$6.75*	\$6.75*	\$6.85
29-1131	Veterinarians	\$23.40	\$40.96	\$28.25	\$39.53	\$54.58
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	\$7.62	\$9.24	\$7.78	\$8.70	\$10.21
29-2056	Veterinary Technologists and Technicians	\$9.47	\$13.10	\$10.41	\$12.81	\$15.78
25-2023	Vocational Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-1194	Vocational Education Teachers, Postsecondary	\$16.03	\$26.95	\$17.52	\$25.67	\$35.69

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25-2032	Vocational Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)
35-3031	Waiters and Waitresses	\$6.75*	\$7.54	\$6.75*	\$6.96	\$7.97
51-8031	Water and Liquid Waste Treatment Plant and System Operators	\$16.32	\$22.66	\$18.99	\$23.56	\$27.13
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	\$7.91	\$13.17	\$8.81	\$12.12	\$17.74
51-4121	Welders, Cutters, Solderers, and Brazers	\$9.11	\$15.90	\$10.23	\$13.71	\$18.67
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	\$9.98	\$14.31	\$11.19	\$12.99	\$16.90
13-1022	Wholesale and Retail Buyers, Except Farm Products	\$13.97	\$25.23	\$16.42	\$22.82	\$30.97
51-7099	Woodworkers, All Other	\$7.71	\$9.03	\$7.68	\$8.36	\$9.26
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	\$6.75*	\$8.97	\$7.10	\$8.73	\$10.33
43-9022	Word Processors and Typists	\$11.04	\$15.52	\$11.97	\$14.80	\$18.10
27-3043	Writers and Authors	\$15.05	\$26.63	\$16.98	\$21.79	\$31.39

Data

- (1) The mean of the first third of the wage distribution is provided as a proxy for entry-level wage
 - (2) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.
 - (3) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey), the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.
 - (4) An estimate of employment could not be provided.
 - (5) The "Mean Relative Standard Error" is a measure of the relative precision of the wage estimate. A low number denotes relatively high validity.
- * The survey reference date was in the fourth quarter of 2001, when the California minimum wage was \$6.25 per hour. Since these wages were updated to 2002, and the minimum wage changed to \$6.75 per hour on January 1, 2002, wages below \$6.75 were set to \$6.75 per hour.

Source: Employment Development Department
Labor Market Information Division
(916) 262-2162

Introduction to the Occupational Employment Statistics Wage Survey

Survey Description

The Occupational Employment Statistics (OES) survey is an annual mail survey measuring occupational employment and occupational wage rates for wage and salary workers in nonfarm establishments by industry. The survey samples approximately 37,000 establishments per year, taking 3 years to fully collect the sample of 113,000 establishments in California.

The 2000 OES survey is the second year to use the new Standard Occupational Classification (SOC) system to identify occupational categories. These survey samples are based only on two years of data collected in the 1999 and 2000 survey. Surveys prior to 1999 used the Occupational Employment Statistics (OES) classification system. Of the nearly 770 SOC occupations, 374 are a direct match with the OES classification system definitions. The rest are newly defined SOC occupations. The SOC structure and definitions can be found at the Bureau of Labor Statistics (BLS) SOC Home Page at <http://www.bls.gov/oes/home.htm>.

The wage data for all occupations have been updated to the third quarter of 2001 by applying the Employment Cost Index of the 2000 SOC wage database. The occupational employment estimates are for 2000. A more complete set of technical notes for the 2000 OES survey is available at the BLS website at <http://www.bls.gov/oes/2000/oestec2000.htm>.

'Employment' Definition

The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees; workers on paid vacations or other types of leave; workers on unpaid or short-term absences; salaried

officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station, regardless of whether that unit prepares their paycheck. The survey excludes the self-employed, owners/partners of unincorporated firms, and unpaid family workers. Employees are reported in the occupation in which they are working, not necessarily for which they were trained.

Business Establishment Description

The OES survey uses the Standard Industrial Classification (SIC) system to classify all establishments. An establishment is defined as an economic unit which processes goods or provides services, such as a factory or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The scope of the survey includes establishments in SIC codes 07, 10, 12 to 17, 20 to 42, 44 to 65, 67, 70, 72, 73, 75, 76, 78 to 84, 86, 87, and 89 covering agricultural services; mining; construction; manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and government.

Source of Sample Selection

The California Unemployment Insurance (UI) file provided the universe from which the OES survey draws its sample. The employment benchmark was obtained from reports submitted by employers to the UI program. In some nonmanufacturing industries, supplemental sources are used for establishments not reporting to the UI program.

The OES survey frame is stratified by area, industry, and size class. Size classes are defined as follows:

<u>Size Class</u>	<u>Number of Employees</u>
1	1 to 4
2	5 to 9
3	10 to 19
4	20 to 49
5	50 to 99
6	100 to 249
7	250 and above

UI reporting units with 250 or more employees are sampled with certainty across a 3-year period. Generally, one-third of the certainty units are sampled each year in each state. There are some states that sample more than one-third of their certainty units during one survey year.

Terms and Concepts

Employment represents the estimate of total wage and salary employment in an occupation across the industries in which it was surveyed. The OES survey form contains between 50 and 225 SOC occupations selected on the basis of the industry classification and size of the sampled establishments. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected from establishments within industries that are the predominant employers of labor in those occupations.

Wages for the OES survey are straight-time gross pay, exclusive of premium pay. Included are base rate, cost-of-living allowances, guaranteed pay, hazardous duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer cost of supplementary benefits, and tuition reimbursements.

The OES survey collects wage data in 12 inter-

vals. Employers report the number of employees in an occupation per each wage range. The wage intervals are as follows:

<u>Interval</u>	<u>Hourly Wage</u>	<u>Annual Wage</u>
A	Under \$6.75	Under \$14,040
B	\$6.75 to 8.49	\$14,040 to 17,679
C	\$8.50 to 10.74	\$17,680 to 22,359
D	\$10.75 to 13.49	\$22,360 to 28,079
E	\$13.50 to 16.99	\$28,080 to 35,359
F	\$17.00 to 21.49	\$35,360 to 44,719
G	\$21.50 to 27.24	\$44,720 to 56,679
H	\$27.25 to 34.49	\$56,680 to 71,759
I	\$34.50 to 43.74	\$71,760 to 90,999
J	\$43.75 to 55.49	\$91,000 to 115,439
K	\$55.50 to 69.99	\$115,440 to 145,599
L	\$70.00 and over	\$145,600 and over

Wages are calculated using wage data from establishments in the industries that are the predominant employers of an occupation. Industries that do not typically employ workers in a given occupation are not included in the calculation of the mean and median wage.

Mean Hourly Wage is the estimated total wages for an occupation divided by its weighted survey employment. When the wages for an occupation are concentrated in the upper wage interval, it is not possible to calculate a reliable mean. In those instances, both the mean hourly wage and the mean annual wage are replaced by a "(3)" and the user is referred to the appropriate footnote. There are a small number of occupations where only an annual wage figure is provided; the workers in these occupations are generally paid on an annual basis, and their annual wage has been directly calculated from the reported survey data. Occupations that typically have a work-year of less than 2,080 hours include musical and entertainment occupations, aircraft pilots, flight attendants, and teachers. These occupations are identified in the data tables with "(2)" in the hourly wage cells.

Median Hourly Wage is the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below, and 50 percent earn wages above, the median wage.

Entry-Level Hourly Wage is the mean of the first third of the wage distribution. This calculation is provided as a proxy for an entry-level wage.

First Quartile Wage is the estimated 25th percentile of the distribution of wages; 25 percent of workers in an occupation earn wages below, and 75 percent earn wages above, the first quartile wage.

Third Quartile Wage is the estimated 75th percentile of the distribution of wages; 75 percent of workers in an occupation earn wages below, and 25 percent earn wages above, the third quartile wage.

Metropolitan Area – The general concept of a metropolitan area (MA) is one of a large population nucleus, together with adjacent communities that have a high degree of economic and social integration with that nucleus. Some MAs are defined around two or more nuclei. The MAs are designated and defined by the Federal Office of Management and Budget, following a set of official published standards. These standards were developed by the Interagency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MAs nationwide.

Metropolitan Statistical Area (MSA) - A MSA comprises one or more central counties. A MSA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. The title of a MSA contains the name of its largest city and up to two additional city names, pro-

vided that the additional places meet specified levels of population, employment, and commuting. Generally a city of 250,000 or more is in the title, regardless of other criteria.

Primary Metropolitan Statistical Area (PMSA) - The criteria that designates and defines a MSA also designates and defines a PMSA. If an area that qualifies as a MA has more than one million persons, primary metropolitan statistical areas (PMSAs) may be defined within it. PMSAs consist of a large urbanized county or cluster of counties that demonstrate very strong internal economic and social links, in addition to close ties to other portions of the larger area. The title of a PMSA may contain up to three place names, or up to three county names, sequenced in order of population.

Consolidated Metropolitan Statistical Area (CMSA) - A CMSA consists of two or more Primary Metropolitan Statistical Areas (PMSAs).

Occupational Employment Statistics (OES) Survey Results

Orange PMSA

Orange County

These survey data are from the 2000 Occupational Employment Statistics (OES) survey. The wages have all been updated to the third quarter of 2001 by applying the Employment Cost Index to the 2000 wages. Occupations are classified using the Standard Occupational Classification (SOC) codes. For details of the methodology, see the Overview of the OES Survey at <http://www.calmis.ca.gov>

(Sorted by Occupational Title)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2011	Accountants and Auditors	\$17.25	\$25.19	\$19.18	\$23.52	\$28.86
27-2011	Actors	(2)	(2)	(2)	(2)	(2)
15-2011	Actuaries	\$27.12	\$38.92	\$30.02	\$37.04	\$48.11
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	\$27.46	\$35.53	\$29.25	\$32.84	\$43.36
11-3011	Administrative Services Managers	\$16.10	\$29.40	\$18.31	\$26.46	\$37.23
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	\$17.87	\$29.22	\$20.88	\$26.59	\$39.96
11-2011	Advertising and Promotions Managers	\$18.77	\$34.76	\$21.27	\$32.53	\$44.25
41-3011	Advertising Sales Agents	\$14.23	\$27.03	\$16.25	\$24.79	\$32.29
19-4011	Agricultural and Food Science Technicians	\$8.89	\$12.94	\$10.09	\$12.19	\$13.81
19-1010	Agricultural and Food Scientists	\$10.33	\$17.79	\$11.67	\$15.10	\$24.45
17-2021	Agricultural Engineers	\$24.01	\$34.60	\$27.23	\$35.23	\$42.51
53-2021	Air Traffic Controllers	\$18.41	\$30.92	\$21.81	\$32.46	\$40.51
53-1011	Aircraft Cargo Handling Supervisors	\$10.12	\$15.52	\$10.50	\$12.70	\$22.43
49-3011	Aircraft Mechanics and Service Technicians	\$12.95	\$17.91	\$14.97	\$17.62	\$21.54
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	\$6.25*	\$12.39	\$6.58	\$11.04	\$16.11
53-2011	Airline Pilots, Copilots, and Flight Engineers	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-2099	All Other Air Transportation Workers	\$7.94	\$9.59	\$7.86	\$8.61	\$10.10
27-1099	All Other Art and Design Workers	\$14.99	\$32.04	\$17.11	\$31.52	\$42.56
37-9099	All Other Building and Grounds Cleaning and Maintenance Workers	\$6.26	\$10.43	\$6.88	\$9.52	\$13.09
47-4999	All Other Construction Trades and Related Workers	\$12.92	\$20.82	\$15.36	\$19.35	\$25.43
21-9099	All Other Counselors, Social and Religious Workers	\$9.05	\$15.35	\$10.58	\$14.08	\$19.89
21-2099	All Other Religious Workers	\$8.90	\$16.43	\$10.70	\$15.37	\$22.58
17-3099	All Other Drafters, Engineering, and Mapping Technicians	\$17.38	\$24.52	\$19.37	\$23.26	\$28.00
49-2099	All Other Electrical and Electronic Equipment Mechanics, Installers, and Repairers	\$9.46	\$15.30	\$10.27	\$14.34	\$19.21
43-4999	All Other Financial, Information, and Record Clerks	\$9.82	\$14.01	\$10.65	\$13.05	\$16.91
51-3099	All Other Food Processing Workers	\$6.85	\$9.39	\$7.42	\$8.64	\$11.89
29-9199	All Other Health Professionals and Technicians	\$7.47	\$15.99	\$8.35	\$13.61	\$21.80
23-9099	All Other Legal and Related Workers	\$14.12	\$20.19	\$14.95	\$17.29	\$24.80
43-5199	All Other Material Recording, Scheduling, Dispatching, and Distributing Workers	\$8.13	\$13.09	\$9.33	\$12.26	\$15.87
51-5099	All Other Printing Workers	\$6.28	\$8.76	\$6.85	\$8.50	\$10.14
43-9999	All Other Secretaries, Administrative Assistants, and Other Office Support	\$6.73	\$13.50	\$7.23	\$14.03	\$17.56
25-3999	All Other Teachers, Primary, Secondary, and Adult	(2)	(2)	(2)	(2)	(2)
49-3099	All Other Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	\$12.44	\$17.99	\$14.22	\$18.08	\$21.38
53-5099	All Other Water Transportation Workers	\$6.25*	\$7.47	\$6.25*	\$6.36	\$6.88
39-3091	Amusement and Recreation Attendants	\$6.25*	\$6.79	\$6.25*	\$6.51	\$7.52
39-2011	Animal Trainers	\$6.60	\$11.43	\$7.13	\$8.70	\$16.30

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
27-3010	Announcers	\$10.89	\$20.62	\$12.03	\$14.28	\$29.09
19-3091	Anthropologists and Archeologists	\$14.90	\$23.23	\$16.85	\$20.76	\$25.05
13-2021	Appraisers and Assessors of Real Estate	\$18.26	\$29.67	\$22.70	\$28.12	\$37.28
17-1011	Architects, Except Landscape and Naval	\$19.63	\$29.52	\$22.79	\$29.20	\$34.76
17-3011	Architectural and Civil Drafters	\$17.49	\$25.67	\$19.90	\$24.56	\$28.83
17-0000	Architecture and Engineering Occupations	\$17.61	\$28.71	\$20.78	\$27.71	\$35.45
25-4010	Archivists, Curators, and Museum Technicians	\$9.64	\$16.02	\$10.54	\$13.35	\$19.00
27-1011	Art Directors	\$18.84	\$28.02	\$21.63	\$27.80	\$34.14
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	\$9.67	\$19.31	\$11.80	\$16.87	\$24.41
51-2099	Assemblers and Fabricators, All Other	\$6.25*	\$8.80	\$6.61	\$7.81	\$9.83
29-9091	Athletic Trainers	(2)	(2)	(2)	(2)	(2)
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-4011	Audio and Video Equipment Technicians	\$8.26	\$16.74	\$9.26	\$11.54	\$21.93
29-1121	Audiologists	\$18.90	\$26.03	\$20.30	\$28.57	\$32.01
25-9011	Audio-Visual Collections Specialists	\$12.80	\$16.46	\$13.56	\$15.73	\$18.06
49-3021	Automotive Body and Related Repairers	\$9.60	\$18.69	\$11.15	\$17.56	\$24.84
49-3023	Automotive Service Technicians and Mechanics	\$8.57	\$16.27	\$9.78	\$15.31	\$19.92
39-6011	Baggage Porters and Bellhops	\$6.25*	\$7.06	\$6.25*	\$6.86	\$8.04
51-3011	Bakers	\$6.50	\$9.64	\$6.99	\$8.74	\$12.29
35-3011	Bartenders	\$6.25*	\$8.22	\$6.25*	\$6.80	\$8.70
43-3011	Bill and Account Collectors	\$11.15	\$14.97	\$12.18	\$14.50	\$17.06

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-3021	Billing and Posting Clerks and Machine Operators	\$10.82	\$14.80	\$11.71	\$13.57	\$16.52
51-5011	Bindery Workers	\$6.25*	\$9.30	\$6.48	\$7.97	\$10.75
19-1021	Biochemists and Biophysicists	\$15.69	\$23.98	\$16.09	\$19.18	\$26.93
19-4021	Biological Technicians	\$11.03	\$14.57	\$11.72	\$13.77	\$16.52
17-2031	Biomedical Engineers	\$20.83	\$32.22	\$23.54	\$29.19	\$39.07
47-2011	Boilermakers	\$24.05	\$31.38	\$27.22	\$32.13	\$36.01
43-3031	Bookkeeping, Accounting, and Auditing Clerks	\$11.26	\$15.94	\$12.83	\$15.61	\$18.60
47-2021	Brickmasons and Blockmasons	\$11.67	\$20.60	\$14.77	\$20.46	\$26.51
27-4012	Broadcast Technicians	\$7.22	\$11.22	\$7.68	\$8.69	\$12.66
43-4011	Brokerage Clerks	\$12.15	\$17.88	\$13.47	\$17.06	\$21.03
13-2031	Budget Analysts	\$19.13	\$27.20	\$20.90	\$25.81	\$32.86
37-0000	Building and Grounds Cleaning and Maintenance Occupations	\$6.25*	\$9.17	\$6.72	\$8.03	\$10.33
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	\$15.19	\$19.97	\$17.67	\$20.23	\$23.16
53-3022	Bus Drivers, School	\$11.74	\$14.62	\$12.85	\$15.05	\$16.73
53-3021	Bus Drivers, Transit and Intercity	\$11.07	\$15.14	\$11.95	\$14.03	\$19.16
13-0000	Business and Financial Operations Occupations	\$15.45	\$25.08	\$17.58	\$22.91	\$30.33
13-1199	Business Operations Specialists, All Other	\$14.66	\$22.94	\$17.07	\$21.82	\$27.75
51-3021	Butchers and Meat Cutters	\$9.92	\$16.89	\$10.86	\$18.47	\$21.09
51-7011	Cabinetmakers and Bench Carpenters	\$6.59	\$10.07	\$7.16	\$9.01	\$12.33
27-4031	Camera Operators, Television, Video, and Motion Picture	\$9.78	\$23.54	\$11.04	\$16.85	\$36.26
53-5021	Captains, Mates, and Pilots of Water Vessels	\$11.96	\$17.64	\$14.09	\$16.47	\$20.36
29-2031	Cardiovascular Technologists and Technicians	\$13.68	\$19.88	\$15.43	\$20.04	\$24.43

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-5011	Cargo and Freight Agents	\$11.24	\$16.02	\$11.87	\$13.78	\$19.52
47-2031	Carpenters	\$14.17	\$21.14	\$16.10	\$20.47	\$25.64
47-2041	Carpet Installers	\$6.25*	\$11.38	\$6.35	\$7.18	\$14.20
41-2011	Cashiers	\$6.25*	\$8.98	\$6.50	\$7.78	\$10.15
47-2051	Cement Masons and Concrete Finishers	\$12.93	\$19.37	\$14.90	\$19.58	\$24.17
51-9191	Cementing and Gluing Machine Operators and Tenders	\$6.25*	\$9.94	\$6.62	\$9.00	\$11.07
35-1011	Chefs and Head Cooks	\$9.71	\$17.13	\$11.47	\$16.28	\$22.76
17-2041	Chemical Engineers	\$23.78	\$35.74	\$26.40	\$37.14	\$44.11
51-9011	Chemical Equipment Operators and Tenders	\$9.08	\$13.05	\$9.94	\$12.46	\$15.87
51-8091	Chemical Plant and System Operators	\$11.85	\$20.00	\$14.50	\$19.78	\$24.22
19-4031	Chemical Technicians	\$12.36	\$15.94	\$12.51	\$13.78	\$17.30
19-2031	Chemists	\$18.30	\$23.79	\$19.54	\$22.64	\$26.83
11-1011	Chief Executives	\$40.47	(3)	\$48.74	>\$70.01	>\$70.01
39-9011	Child Care Workers	\$6.25*	\$8.09	\$6.25*	\$7.16	\$9.38
21-1021	Child, Family, and School Social Workers	\$13.18	\$18.82	\$15.37	\$19.33	\$22.26
17-3022	Civil Engineering Technicians	\$20.24	\$27.82	\$22.44	\$28.17	\$33.70
17-2051	Civil Engineers	\$21.82	\$31.56	\$24.65	\$30.73	\$37.25
13-1031	Claims Adjusters, Examiners, and Investigators	\$14.35	\$21.21	\$15.54	\$19.51	\$26.11
53-7061	Cleaners of Vehicles and Equipment	\$6.25*	\$7.16	\$6.25*	\$6.62	\$7.70
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	\$6.82	\$9.43	\$7.38	\$8.68	\$11.65
21-2011	Clergy	\$17.77	\$21.68	\$19.12	\$21.20	\$24.99

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
19-3031	Clinical, Counseling, and School Psychologists	\$20.94	\$29.62	\$22.59	\$30.47	\$34.36
27-2022	Coaches and Scouts	(2)	(2)	(2)	(2)	(2)
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	\$7.60	\$10.58	\$8.16	\$9.80	\$12.16
51-2021	Coil Winders, Tapers, and Finishers	\$7.83	\$9.77	\$7.78	\$8.60	\$10.98
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	\$11.04	\$14.70	\$12.24	\$14.46	\$17.16
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	\$6.25*	\$7.47	\$6.42	\$7.32	\$8.18
27-1021	Commercial and Industrial Designers	\$14.12	\$25.92	\$18.58	\$25.71	\$32.78
53-2012	Commercial Pilots	(2)	(2)	(2)	(2)	(2)
43-2099	Communications Equipment Operators, All Other	\$9.09	\$14.73	\$9.96	\$15.37	\$19.33
21-0000	Community and Social Services Occupations	\$10.50	\$17.71	\$12.05	\$16.31	\$22.47
13-1072	Compensation, Benefits, and Job Analysis Specialists	\$16.82	\$22.81	\$18.43	\$22.22	\$26.60
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	\$14.26	\$22.11	\$15.46	\$19.87	\$27.91
15-1011	Computer and Information Scientists, Research	\$24.29	\$43.60	\$28.08	\$46.52	\$56.44
11-3021	Computer and Information Systems Managers	\$27.23	\$43.09	\$33.31	\$43.50	\$53.84
15-0000	Computer and Mathematical Occupations	\$19.83	\$31.50	\$22.92	\$29.93	\$39.85
17-2061	Computer Hardware Engineers	\$21.65	\$34.43	\$26.35	\$33.36	\$41.66
43-9011	Computer Operators	\$12.36	\$18.04	\$14.51	\$16.76	\$22.37
15-1021	Computer Programmers	\$23.49	\$36.53	\$27.06	\$35.07	\$48.38
25-1021	Computer Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
15-1031	Computer Software Engineers, Applications	\$26.49	\$36.60	\$29.46	\$35.15	\$43.12
15-1032	Computer Software Engineers, Systems Software	\$21.82	\$35.99	\$25.84	\$37.14	\$44.41

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
15-1099	Computer Specialists, All Other	\$15.12	\$26.16	\$17.36	\$24.87	\$32.83
15-1041	Computer Support Specialists	\$14.08	\$20.96	\$15.99	\$20.22	\$25.04
15-1051	Computer Systems Analysts	\$23.33	\$31.10	\$24.72	\$28.48	\$38.04
49-2011	Computer, Automated Teller, and Office Machine Repairers	\$11.18	\$17.08	\$12.58	\$16.78	\$20.70
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	\$7.81	\$13.36	\$8.88	\$11.17	\$16.28
39-6012	Concierges	\$8.86	\$10.93	\$9.17	\$10.36	\$12.66
47-4011	Construction and Building Inspectors	\$18.35	\$24.73	\$20.55	\$24.69	\$29.13
47-0000	Construction and Extraction Occupations	\$10.56	\$18.76	\$12.53	\$18.15	\$24.11
47-2061	Construction Laborers	\$9.40	\$15.36	\$10.60	\$13.93	\$19.77
11-9021	Construction Managers	\$23.60	\$36.77	\$26.11	\$33.20	\$44.62
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	\$10.99	\$16.49	\$11.76	\$14.77	\$21.59
53-7011	Conveyor Operators and Tenders	\$9.35	\$14.44	\$10.85	\$14.55	\$18.38
35-2011	Cooks, Fast Food	\$6.25*	\$7.54	\$6.41	\$7.44	\$8.37
35-2012	Cooks, Institution and Cafeteria	\$7.10	\$10.82	\$7.85	\$10.14	\$13.43
35-2014	Cooks, Restaurant	\$8.29	\$9.62	\$8.89	\$9.74	\$10.60
35-2015	Cooks, Short Order	\$7.21	\$9.49	\$7.72	\$9.05	\$10.95
43-4021	Correspondence Clerks	\$9.89	\$13.31	\$10.61	\$12.58	\$14.87
13-1051	Cost Estimators	\$17.13	\$27.31	\$19.93	\$26.17	\$32.65
39-3092	Costume Attendants	\$8.27	\$15.32	\$8.81	\$15.87	\$20.20
41-2021	Counter and Rental Clerks	\$6.74	\$9.81	\$7.32	\$8.94	\$10.57
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	\$6.25*	\$8.26	\$6.58	\$7.71	\$8.87

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-5021	Couriers and Messengers	\$6.25*	\$8.62	\$6.51	\$7.53	\$9.62
23-2091	Court Reporters	\$12.95	\$20.34	\$13.52	\$18.68	\$28.84
53-7021	Crane and Tower Operators	\$9.01	\$17.08	\$10.41	\$18.82	\$21.32
13-2041	Credit Analysts	\$13.43	\$21.61	\$15.39	\$19.32	\$25.60
43-4041	Credit Authorizers, Checkers, and Clerks	\$9.85	\$14.02	\$11.38	\$13.86	\$16.67
33-9091	Crossing Guards	\$6.70	\$7.91	\$7.28	\$8.05	\$8.81
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	\$7.42	\$10.39	\$8.38	\$10.03	\$11.27
43-4051	Customer Service Representatives	\$10.64	\$14.61	\$11.59	\$13.78	\$16.96
51-9031	Cutters and Trimmers, Hand	\$6.77	\$9.33	\$7.30	\$8.64	\$10.74
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	\$7.69	\$11.46	\$8.46	\$10.80	\$13.49
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$6.93	\$10.79	\$7.65	\$9.85	\$13.07
27-2031	Dancers	\$9.36	\$20.60	\$11.10	\$22.25	\$27.48
43-9021	Data Entry Keyers	\$9.31	\$11.85	\$9.98	\$11.53	\$13.58
15-1061	Database Administrators	\$16.59	\$26.95	\$19.85	\$25.75	\$35.49
41-9011	Demonstrators and Product Promoters	\$7.70	\$9.18	\$7.45	\$8.06	\$8.81
31-9091	Dental Assistants	\$8.87	\$12.54	\$9.55	\$12.04	\$15.44
29-2021	Dental Hygienists	\$24.15	\$24.84	\$23.58	\$25.16	\$26.72
51-9081	Dental Laboratory Technicians	\$13.96	\$18.06	\$14.90	\$16.60	\$19.60
43-9031	Desktop Publishers	\$11.28	\$16.56	\$12.65	\$16.07	\$20.15

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-2032	Diagnostic Medical Sonographers	\$22.27	\$25.70	\$23.48	\$25.67	\$27.87
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	\$6.25*	\$6.35	\$6.25*	\$6.31	\$6.79
21-2021	Directors, Religious Activities and Education	\$8.65	\$16.49	\$9.77	\$13.43	\$23.21
35-9021	Dishwashers	\$6.25*	\$6.50	\$6.25*	\$6.47	\$7.10
43-5032	Dispatchers, Except Police, Fire, and Ambulance	\$10.78	\$16.34	\$12.09	\$15.69	\$19.99
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	\$6.28	\$15.87	\$6.79	\$13.12	\$23.31
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$7.93	\$11.01	\$8.66	\$10.23	\$12.57
53-3031	Driver/Sales Workers	\$7.89	\$12.17	\$8.30	\$10.56	\$14.46
47-2081	Drywall and Ceiling Tile Installers	\$13.28	\$19.21	\$15.46	\$19.03	\$22.06
47-5021	Earth Drillers, Except Oil and Gas	\$13.99	\$18.39	\$14.94	\$17.86	\$21.30
27-3041	Editors	\$13.09	\$21.97	\$14.76	\$20.19	\$25.98
11-9032	Education Administrators, Elementary and Secondary School	(2)	(2)	(2)	(2)	(2)
11-9031	Education Administrators, Preschool and Child Care Center/Program	\$12.36	\$16.06	\$12.74	\$14.91	\$17.91
25-0000	Education, Training, and Library Occupations	\$11.67	\$21.30	\$13.82	\$19.64	\$27.60
25-9199	Education, Training, and Library Workers, All Other	\$7.75	\$14.11	\$9.21	\$14.40	\$17.59
21-1012	Educational, Vocational, and School Counselors	\$9.38	\$20.40	\$10.59	\$18.85	\$28.42
49-2092	Electric Motor, Power Tool, and Related Repairers	\$11.43	\$14.82	\$13.57	\$15.32	\$16.83
17-3023	Electrical and Electronic Engineering Technicians	\$13.48	\$21.41	\$15.49	\$20.10	\$25.48
51-2022	Electrical and Electronic Equipment Assemblers	\$6.74	\$9.71	\$7.34	\$9.00	\$11.32

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-3012	Electrical and Electronics Drafters	\$11.88	\$19.13	\$13.65	\$17.68	\$22.55
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	\$9.79	\$17.46	\$11.64	\$17.47	\$21.82
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	\$13.62	\$18.70	\$15.19	\$18.56	\$22.02
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	\$8.41	\$19.72	\$9.28	\$17.38	\$30.78
17-2071	Electrical Engineers	\$19.54	\$30.64	\$23.07	\$31.28	\$37.75
47-2111	Electricians	\$16.71	\$23.34	\$18.50	\$21.84	\$29.90
51-2023	Electromechanical Equipment Assemblers	\$6.63	\$11.15	\$7.21	\$10.36	\$13.38
17-3024	Electro-Mechanical Technicians	\$11.21	\$18.95	\$13.08	\$19.27	\$24.93
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	\$6.25*	\$8.13	\$6.43	\$7.60	\$8.85
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	\$8.97	\$15.21	\$10.25	\$13.94	\$18.45
17-2072	Electronics Engineers, Except Computer	\$24.02	\$34.43	\$27.59	\$33.66	\$41.46
25-2021	Elementary School Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
13-1061	Emergency Management Specialists	\$16.89	\$25.23	\$19.96	\$24.23	\$27.47
29-2041	Emergency Medical Technicians and Paramedics	\$10.22	\$18.77	\$11.32	\$13.60	\$30.20
13-1071	Employment, Recruitment, and Placement Specialists	\$13.50	\$22.65	\$14.91	\$19.00	\$29.59
51-2031	Engine and Other Machine Assemblers	\$10.62	\$12.26	\$11.66	\$12.65	\$13.65
11-9041	Engineering Managers	\$35.03	\$47.64	\$39.19	\$47.74	\$56.78
17-2199	Engineers, All Other	\$22.43	\$31.73	\$25.79	\$32.06	\$38.28
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	(2)	(2)	(2)	(2)	(2)
17-3025	Environmental Engineering Technicians	\$13.05	\$19.96	\$15.85	\$19.19	\$22.17

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-2081	Environmental Engineers	\$23.71	\$32.18	\$26.13	\$30.94	\$35.48
19-4091	Environmental Science and Protection Technicians, Including Health	\$11.62	\$18.82	\$13.10	\$16.62	\$22.34
19-2041	Environmental Scientists and Specialists, Including Health	\$24.31	\$28.81	\$25.01	\$27.91	\$32.75
51-9194	Etchers and Engravers	\$7.72	\$9.95	\$8.36	\$9.72	\$11.07
53-7032	Excavating and Loading Machine and Dragline Operators	\$13.49	\$18.01	\$14.32	\$16.17	\$20.07
43-6011	Executive Secretaries and Administrative Assistants	\$13.55	\$18.40	\$14.85	\$17.88	\$21.72
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.24	\$12.72	\$9.03	\$12.37	\$16.07
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	\$6.28	\$8.57	\$6.80	\$8.07	\$9.95
51-6092	Fabric and Apparel Patternmakers	\$6.25*	\$12.79	\$6.63	\$8.60	\$19.99
29-1062	Family and General Practitioners	\$24.66	\$46.30	\$31.06	\$46.65	\$61.96
49-3041	Farm Equipment Mechanics	\$11.53	\$15.39	\$12.58	\$15.31	\$17.47
45-0000	Farming, Fishing, and Forestry Occupations	\$6.25*	\$8.37	\$6.38	\$7.42	\$8.63
45-9099	Farming, Fishing, and Forestry Workers, All Other	\$6.25*	\$9.24	\$6.56	\$8.85	\$10.53
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	\$6.25*	\$7.50	\$6.31	\$7.35	\$8.32
45-2093	Farmworkers, Farm and Ranch Animals	\$6.70	\$8.31	\$7.13	\$7.87	\$8.63
27-1022	Fashion Designers	\$14.00	\$25.36	\$16.35	\$23.21	\$30.34
51-2091	Fiberglass Laminators and Fabricators	\$6.60	\$9.89	\$7.17	\$8.84	\$11.36
43-4071	File Clerks	\$7.10	\$10.10	\$7.97	\$9.59	\$11.19
27-4032	Film and Video Editors	\$8.08	\$10.33	\$7.82	\$8.40	\$8.98

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2051	Financial Analysts	\$20.10	\$31.17	\$22.00	\$27.92	\$34.85
13-2061	Financial Examiners	\$15.20	\$30.02	\$19.43	\$25.21	\$39.53
11-3031	Financial Managers	\$26.51	\$40.01	\$30.38	\$38.69	\$47.92
13-2099	Financial Specialists, All Other	\$14.03	\$20.33	\$14.98	\$17.29	\$23.04
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	\$18.58	\$27.33	\$20.34	\$28.12	\$32.85
33-2011	Fire Fighters	\$21.04	\$26.82	\$23.15	\$28.24	\$31.75
33-2021	Fire Inspectors and Investigators	\$24.72	\$25.01	\$23.73	\$25.26	\$26.79
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	\$20.97	\$27.96	\$23.33	\$27.57	\$32.87
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	\$13.26	\$18.37	\$14.05	\$17.13	\$21.36
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	\$29.01	\$32.24	\$29.55	\$32.17	\$34.79
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	\$8.95	\$12.22	\$9.62	\$11.33	\$13.61
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	\$14.16	\$20.00	\$15.47	\$19.39	\$24.36
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	\$9.54	\$15.87	\$10.56	\$14.39	\$19.40
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	\$9.05	\$15.17	\$10.23	\$13.67	\$18.91
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	\$18.73	\$27.44	\$21.01	\$25.92	\$32.34
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	\$16.15	\$32.82	\$19.65	\$30.99	\$43.66
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	\$15.61	\$23.28	\$17.41	\$21.33	\$26.96
39-1021	First-Line Supervisors/Managers of Personal Service Workers	\$8.74	\$12.30	\$9.37	\$11.01	\$13.26

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
33-1012	First-Line Supervisors/Managers of Police and Detectives	\$35.54	\$43.47	\$37.94	\$42.38	\$48.42
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	\$13.35	\$21.96	\$15.48	\$20.45	\$27.11
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	\$10.86	\$19.31	\$12.51	\$16.77	\$21.21
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle	\$14.87	\$22.21	\$17.49	\$21.86	\$27.05
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	\$9.04	\$15.19	\$9.61	\$11.72	\$19.45
39-9031	Fitness Trainers and Aerobics Instructors	\$6.25*	\$17.57	\$6.71	\$15.55	\$27.40
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	\$11.70	\$18.26	\$12.53	\$18.02	\$23.21
27-1023	Floral Designers	\$8.45	\$11.00	\$8.96	\$10.70	\$12.63
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	\$6.25*	\$8.04	\$6.25*	\$7.03	\$9.69
51-3092	Food Batchmakers	\$6.36	\$9.02	\$6.89	\$8.37	\$10.43
51-3093	Food Cooking Machine Operators and Tenders	\$6.25*	\$9.87	\$6.58	\$7.68	\$14.28
35-9099	Food Preparation and Serving Related Workers, All Other	\$6.25*	\$6.89	\$6.25*	\$6.56	\$7.09
35-0000	Food Preparation and Serving-Related Occupations	\$6.25*	\$8.09	\$6.31	\$7.37	\$9.07
35-2021	Food Preparation Workers	\$6.52	\$8.37	\$7.03	\$8.15	\$9.61
35-3041	Food Servers, Nonrestaurant	\$6.86	\$9.23	\$7.36	\$8.68	\$11.33
11-9051	Food Service Managers	\$13.72	\$18.76	\$14.58	\$16.68	\$22.12
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.29	\$12.37	\$8.23	\$11.23	\$15.93
51-4071	Foundry Mold and Coremakers	\$7.74	\$14.15	\$8.26	\$10.80	\$17.46
39-4021	Funeral Attendants	\$9.78	\$10.72	\$9.64	\$10.55	\$11.94

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51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	\$9.66	\$11.13	\$9.90	\$11.16	\$12.64
51-7021	Furniture Finishers	\$6.25*	\$9.29	\$6.73	\$8.28	\$11.69
11-9071	Gaming Managers	\$20.01	\$35.53	\$20.36	\$24.02	\$54.20
39-1011	Gaming Supervisors	\$10.73	\$15.38	\$12.13	\$14.68	\$17.06
51-8092	Gas Plant Operators	\$19.24	\$25.05	\$22.39	\$25.49	\$28.04
11-1021	General and Operations Managers	\$23.82	\$44.07	\$28.64	\$42.38	\$59.12
19-4041	Geological and Petroleum Technicians	\$13.85	\$18.77	\$14.87	\$17.91	\$21.36
19-2042	Geoscientists, Except Hydrologists and Geographers	\$19.27	\$29.46	\$21.72	\$28.74	\$35.88
47-2121	Glaziers	\$11.87	\$15.48	\$12.57	\$14.31	\$17.25
45-2041	Graders and Sorters, Agricultural Products	\$6.25*	\$7.14	\$6.25*	\$6.81	\$7.92
25-1191	Graduate Teaching Assistants	(2)	(2)	(2)	(2)	(2)
27-1024	Graphic Designers	\$12.78	\$18.26	\$13.93	\$17.44	\$21.96
51-9022	Grinding and Polishing Workers, Hand	\$6.74	\$8.73	\$7.22	\$8.29	\$9.86
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Met/Plas	\$6.98	\$9.99	\$7.58	\$9.24	\$12.35
39-5012	Hairdressers, Hairstylists, and Cosmetologists	\$6.74	\$9.27	\$7.29	\$8.21	\$9.78
47-4041	Hazardous Materials Removal Workers	\$11.66	\$13.95	\$12.01	\$13.47	\$15.54
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	\$19.19	\$28.66	\$22.49	\$29.50	\$34.32
29-1199	Health Diagnosing and Treating Practitioners, All Other	\$7.83	\$15.45	\$7.99	\$8.88	\$23.97
21-1091	Health Educators	\$16.25	\$23.18	\$19.44	\$24.90	\$27.58

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-1071	Health Specialties Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
29-0000	Healthcare Practitioners and Technical Occupations	\$13.90	\$24.86	\$16.85	\$23.66	\$29.95
31-0000	Healthcare Support Occupations	\$8.03	\$11.35	\$8.77	\$10.64	\$13.36
31-9099	Healthcare Support Workers, All Other	\$9.00	\$12.57	\$10.09	\$12.42	\$14.37
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	\$7.38	\$9.98	\$7.88	\$9.18	\$11.19
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$13.70	\$20.79	\$15.55	\$19.52	\$25.36
47-3019	Helpers, Construction Trades, All Other	\$6.97	\$10.93	\$7.90	\$10.13	\$12.99
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$8.41	\$9.88	\$8.88	\$9.80	\$10.73
47-3012	Helpers--Carpenters	\$8.14	\$12.38	\$8.89	\$11.74	\$15.59
47-3013	Helpers--Electricians	\$6.25*	\$9.86	\$6.75	\$9.71	\$12.40
47-5081	Helpers--Extraction Workers	\$6.87	\$9.87	\$7.56	\$9.54	\$11.69
49-9098	Helpers--Installation, Maintenance, and Repair Workers	\$6.25*	\$9.68	\$6.34	\$8.24	\$11.37
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	\$7.40	\$11.71	\$8.48	\$10.59	\$13.49
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	\$8.53	\$10.71	\$9.24	\$10.74	\$12.45
51-9198	Helpers--Production Workers	\$6.25*	\$8.53	\$6.61	\$7.93	\$10.01
47-3016	Helpers--Roofers	\$7.65	\$8.98	\$7.70	\$8.53	\$9.99
47-4051	Highway Maintenance Workers	\$7.35	\$9.95	\$7.40	\$8.06	\$8.72
49-9031	Home Appliance Repairers	\$17.17	\$21.43	\$18.56	\$22.27	\$25.25
31-1011	Home Health Aides	\$6.25*	\$9.10	\$6.58	\$8.93	\$10.50

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35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	\$6.25*	\$7.21	\$6.25*	\$6.93	\$8.10
43-4081	Hotel, Motel, and Resort Desk Clerks	\$8.29	\$9.68	\$8.83	\$9.69	\$10.56
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	\$11.96	\$16.57	\$13.25	\$16.04	\$19.11
11-3040	Human Resources Managers	\$21.38	\$32.93	\$24.30	\$31.68	\$40.16
19-2043	Hydrologists	\$25.11	\$33.69	\$27.80	\$32.22	\$39.71
17-3026	Industrial Engineering Technicians	\$14.61	\$20.62	\$15.72	\$18.97	\$23.23
17-2112	Industrial Engineers	\$22.05	\$30.62	\$24.83	\$30.32	\$36.35
49-9041	Industrial Machinery Mechanics	\$15.07	\$21.27	\$17.69	\$22.25	\$25.78
11-3051	Industrial Production Managers	\$22.67	\$35.54	\$26.62	\$34.31	\$42.78
53-7051	Industrial Truck and Tractor Operators	\$8.88	\$13.11	\$9.98	\$12.60	\$15.71
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	\$6.64	\$12.12	\$7.23	\$10.57	\$15.02
49-0000	Installation, Maintenance, and Repair Occupations	\$9.68	\$17.59	\$11.59	\$16.90	\$22.30
49-9099	Installation, Maintenance, and Repair Workers, All Other	\$8.38	\$15.63	\$9.07	\$13.84	\$20.77
25-9031	Instructional Coordinators	\$12.10	\$24.51	\$13.51	\$25.23	\$34.24
47-2130	Insulation Workers	\$14.87	\$18.87	\$15.26	\$17.16	\$23.11
13-1032	Insurance Appraisers, Auto Damage	\$18.47	\$23.64	\$19.02	\$21.69	\$26.52
43-9041	Insurance Claims and Policy Processing Clerks	\$11.35	\$19.94	\$13.22	\$17.23	\$27.09
41-3021	Insurance Sales Agents	\$11.92	\$23.12	\$13.67	\$20.64	\$26.30
13-2053	Insurance Underwriters	\$13.24	\$22.48	\$15.40	\$19.42	\$27.81
27-1025	Interior Designers	\$13.61	\$21.11	\$15.08	\$19.11	\$24.98

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1063	Internists, General	\$38.00	(3)	\$52.59	\$63.80	>\$70.01
43-4111	Interviewers, Except Eligibility and Loan	\$9.19	\$14.52	\$10.22	\$13.12	\$17.73
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	\$6.25*	\$8.70	\$6.45	\$7.67	\$9.67
51-9071	Jewelers and Precious Stone and Metal Workers	\$6.25*	\$9.52	\$6.57	\$7.84	\$10.63
51-5021	Job Printers	\$8.91	\$15.05	\$10.12	\$15.19	\$18.89
25-2012	Kindergarten Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	\$6.55	\$9.97	\$7.09	\$8.72	\$12.31
17-1012	Landscape Architects	\$14.14	\$22.31	\$15.39	\$20.59	\$27.61
37-3011	Landscaping and Groundskeeping Workers	\$6.30	\$8.93	\$6.86	\$8.17	\$10.15
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$8.90	\$14.77	\$10.32	\$14.60	\$18.05
51-6011	Laundry and Dry-Cleaning Workers	\$6.38	\$9.17	\$6.97	\$9.06	\$11.11
23-2092	Law Clerks	\$12.40	\$19.10	\$12.91	\$22.20	\$25.14
23-1011	Lawyers	\$34.59	(3)	\$41.59	\$54.32	>\$70.01
51-4192	Lay-Out Workers, Metal and Plastic	\$7.40	\$10.15	\$7.92	\$9.55	\$11.73
23-0000	Legal Occupations	\$14.75	\$35.93	\$17.34	\$31.64	\$52.61
43-6012	Legal Secretaries	\$17.23	\$23.93	\$19.48	\$24.30	\$29.16
11-1031	Legislators	\$17.96	\$23.30	\$18.52	\$20.71	\$24.63
25-4021	Librarians	\$15.74	\$23.97	\$18.88	\$24.09	\$27.24
43-4121	Library Assistants, Clerical	\$8.82	\$12.55	\$9.86	\$12.13	\$15.23
25-4031	Library Technicians	\$11.76	\$15.60	\$13.60	\$15.64	\$17.48

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-2061	Licensed Practical and Licensed Vocational Nurses	\$14.12	\$18.62	\$15.37	\$17.62	\$21.10
19-0000	Life, Physical, and Social Science Occupations	\$15.07	\$25.88	\$17.48	\$23.78	\$32.39
19-4099	Life, Physical, and Social Science Technicians, All Other	\$13.51	\$20.48	\$15.05	\$19.40	\$25.89
13-2071	Loan Counselors	\$18.00	\$27.22	\$19.14	\$22.46	\$30.70
43-4131	Loan Interviewers and Clerks	\$10.26	\$15.54	\$12.06	\$14.83	\$17.56
13-2072	Loan Officers	\$17.12	\$26.17	\$19.24	\$24.36	\$30.64
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	\$6.25*	\$8.16	\$6.60	\$7.78	\$8.86
49-9094	Locksmiths and Safe Repairers	\$12.35	\$17.17	\$13.96	\$17.13	\$20.62
11-9081	Lodging Managers	\$15.76	\$21.53	\$16.85	\$20.68	\$25.50
53-7063	Machine Feeders and Offbearers	\$6.99	\$10.89	\$8.00	\$10.10	\$11.58
51-4041	Machinists	\$9.59	\$17.19	\$11.04	\$15.85	\$21.84
37-2012	Maids and Housekeeping Cleaners	\$6.25*	\$7.57	\$6.67	\$7.59	\$8.40
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	\$7.68	\$10.21	\$8.71	\$10.01	\$11.56
49-9042	Maintenance and Repair Workers, General	\$9.36	\$16.41	\$11.05	\$15.83	\$20.59
49-9043	Maintenance Workers, Machinery	\$8.77	\$15.91	\$10.26	\$15.37	\$20.83
13-1111	Management Analysts	\$22.52	\$35.19	\$26.06	\$33.79	\$43.28
11-0000	Management Occupations	\$22.22	\$40.62	\$26.60	\$38.34	\$54.33
11-9199	Managers, All Other	\$20.65	\$33.96	\$24.13	\$31.48	\$42.44
39-5092	Manicurists and Pedicurists	\$6.25*	\$6.57	\$6.25*	\$6.43	\$7.14
19-3021	Market Research Analysts	\$18.73	\$30.68	\$21.21	\$27.38	\$39.96

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
11-2021	Marketing Managers	\$24.04	\$40.67	\$28.16	\$39.00	\$53.01
21-1013	Marriage and Family Therapists	\$13.16	\$17.74	\$15.00	\$17.19	\$20.80
31-9011	Massage Therapists	\$29.19	\$30.52	\$29.43	\$31.42	\$33.41
53-7199	Material Moving Workers, All Other	\$7.19	\$12.87	\$7.93	\$10.38	\$15.19
17-2131	Materials Engineers	\$18.47	\$26.41	\$20.62	\$25.48	\$31.82
19-2032	Materials Scientists	\$19.42	\$30.85	\$22.73	\$30.73	\$38.54
25-1022	Mathematical Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	\$7.40	\$10.10	\$8.54	\$10.41	\$12.19
17-3013	Mechanical Drafters	\$14.89	\$20.37	\$16.87	\$19.82	\$22.79
17-3027	Mechanical Engineering Technicians	\$13.80	\$20.44	\$15.77	\$19.68	\$24.64
17-2141	Mechanical Engineers	\$21.66	\$31.66	\$24.46	\$29.90	\$38.57
27-4099	Media and Communication Equipment Workers, All Other	\$9.23	\$17.58	\$10.88	\$17.76	\$22.14
27-3099	Media and Communication Workers, All Other	\$12.00	\$19.49	\$13.25	\$17.52	\$24.66
29-2012	Medical and Clinical Laboratory Technicians	\$11.51	\$15.92	\$12.21	\$14.28	\$17.99
29-2011	Medical and Clinical Laboratory Technologists	\$19.02	\$24.63	\$20.87	\$24.64	\$28.45
11-9111	Medical and Health Services Managers	\$23.68	\$34.46	\$26.84	\$34.30	\$41.05
21-1022	Medical and Public Health Social Workers	\$15.39	\$21.41	\$18.63	\$22.64	\$25.70
31-9092	Medical Assistants	\$10.07	\$12.70	\$10.87	\$12.70	\$14.66
31-9093	Medical Equipment Preparers	\$8.53	\$11.45	\$9.07	\$11.19	\$13.72
49-9062	Medical Equipment Repairers	\$11.31	\$15.79	\$12.31	\$15.17	\$17.62

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-2071	Medical Records and Health Information Technicians	\$10.84	\$14.33	\$11.46	\$13.23	\$16.27
19-1042	Medical Scientists, Except Epidemiologists	\$16.19	\$25.57	\$19.13	\$23.98	\$27.64
43-6013	Medical Secretaries	\$10.94	\$13.69	\$11.75	\$13.21	\$15.47
31-9094	Medical Transcriptionists	\$14.88	\$16.52	\$15.18	\$16.45	\$17.76
13-1121	Meeting and Convention Planners	\$12.08	\$18.87	\$13.46	\$17.06	\$23.54
21-1023	Mental Health and Substance Abuse Social Workers	\$11.77	\$15.47	\$13.14	\$15.34	\$17.23
21-1014	Mental Health Counselors	\$10.38	\$13.54	\$11.20	\$12.89	\$14.45
27-1026	Merchandise Displayers and Window Trimmers	\$6.25*	\$10.89	\$6.71	\$9.92	\$13.47
51-4199	Metal Workers and Plastic Workers, All Other	\$6.95	\$11.51	\$7.65	\$10.82	\$14.23
51-4051	Metal-Refining Furnace Operators and Tenders	\$9.54	\$14.26	\$10.63	\$13.17	\$17.08
43-5041	Meter Readers, Utilities	\$13.40	\$17.72	\$14.87	\$17.62	\$20.98
19-1022	Microbiologists	\$17.79	\$28.13	\$19.93	\$27.10	\$35.08
25-2022	Middle School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	\$9.57	\$15.04	\$10.03	\$12.08	\$16.87
49-9044	Millwrights	\$13.06	\$19.99	\$15.74	\$19.60	\$22.40
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	\$15.57	\$18.95	\$15.32	\$16.71	\$20.55
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	\$8.49	\$12.14	\$9.42	\$11.59	\$14.15
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	\$13.97	\$19.31	\$15.28	\$18.59	\$22.79
51-4061	Model Makers, Metal and Plastic	\$12.94	\$19.09	\$13.61	\$19.19	\$24.69
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	\$10.65	\$17.98	\$12.02	\$15.71	\$19.99

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	\$6.25*	\$8.22	\$6.25*	\$7.27	\$9.04
39-3021	Motion Picture Projectionists	\$6.57	\$8.15	\$7.03	\$7.76	\$8.53
53-3099	Motor Vehicle Operators, All Other	\$6.82	\$11.62	\$7.39	\$9.04	\$16.15
49-3051	Motorboat Mechanics	\$9.08	\$14.41	\$9.88	\$12.43	\$18.43
49-3052	Motorcycle Mechanics	\$12.37	\$17.66	\$13.60	\$18.97	\$20.92
27-1014	Multi-Media Artists and Animators	\$20.34	\$29.50	\$23.01	\$28.73	\$37.80
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$7.31	\$11.58	\$8.03	\$10.16	\$14.45
27-2041	Music Directors and Composers	(2)	(2)	(2)	(2)	(2)
27-2042	Musicians and Singers	(2)	(2)	(2)	(2)	(2)
11-9121	Natural Sciences Managers	\$33.52	\$48.23	\$37.01	\$48.00	\$59.11
15-1071	Network and Computer Systems Administrators	\$19.62	\$28.05	\$21.93	\$26.85	\$33.99
15-1081	Network Systems and Data Communications Analysts	\$22.08	\$29.44	\$24.35	\$28.99	\$34.89
43-4141	New Accounts Clerks	\$9.83	\$11.42	\$9.60	\$10.42	\$11.94
27-3020	News Analysts, Reporters and Correspondents	\$13.42	\$25.66	\$17.73	\$23.74	\$36.33
39-2021	Nonfarm Animal Caretakers	\$7.15	\$8.79	\$7.32	\$8.08	\$9.16
29-2033	Nuclear Medicine Technologists	\$16.53	\$23.56	\$20.58	\$25.00	\$27.89
51-4012	Numerical Tool and Process Control Programmers	\$13.72	\$19.96	\$16.29	\$20.12	\$24.11
31-1012	Nursing Aides, Orderlies, and Attendants	\$7.87	\$9.66	\$8.28	\$9.45	\$10.90
25-1072	Nursing Instructors and Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-9010	Occupational Health and Safety Specialists and Technicians	\$18.46	\$26.06	\$21.73	\$26.66	\$31.86
31-2012	Occupational Therapist Aides	\$15.53	\$22.25	\$23.21	\$25.15	\$27.09
31-2011	Occupational Therapist Assistants	\$7.80	\$17.16	\$8.04	\$20.75	\$24.82
29-1122	Occupational Therapists	\$28.27	\$36.80	\$32.63	\$39.32	\$43.19
43-0000	Office and Administrative Support Occupations	\$8.95	\$14.52	\$10.32	\$13.50	\$17.61
43-9061	Office Clerks, General	\$8.58	\$12.09	\$9.54	\$11.81	\$14.24
43-9071	Office Machine Operators, Except Computer	\$8.60	\$11.60	\$9.43	\$10.66	\$14.06
47-2073	Operating Engineers and Other Construction Equipment Operators	\$22.09	\$28.30	\$24.65	\$29.72	\$33.23
15-2031	Operations Research Analysts	\$21.21	\$27.49	\$22.79	\$25.93	\$30.85
51-9083	Ophthalmic Laboratory Technicians	\$9.46	\$14.96	\$10.69	\$13.65	\$18.46
29-2081	Opticians, Dispensing	\$15.10	\$18.03	\$16.10	\$18.41	\$20.38
29-1041	Optometrists	\$26.53	\$40.43	\$33.44	\$40.59	\$47.91
43-4151	Order Clerks	\$9.55	\$14.49	\$10.73	\$13.77	\$17.34
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	\$7.73	\$11.18	\$9.18	\$10.38	\$12.82
51-9111	Packaging and Filling Machine Operators and Tenders	\$6.25*	\$9.76	\$6.71	\$8.51	\$11.88
53-7064	Packers and Packagers, Hand	\$6.25*	\$7.91	\$6.39	\$7.43	\$8.61
47-2141	Painters, Construction and Maintenance	\$9.06	\$13.16	\$10.12	\$12.43	\$15.41
51-9122	Painters, Transportation Equipment	\$9.63	\$16.60	\$10.97	\$12.98	\$23.84
51-9123	Painting, Coating, and Decorating Workers	\$7.21	\$11.65	\$7.72	\$9.56	\$15.36
51-9196	Paper Goods Machine Setters, Operators, and Tenders	\$7.38	\$14.88	\$8.46	\$16.21	\$19.84

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
23-2011	Paralegals and Legal Assistants	\$10.72	\$21.48	\$11.77	\$17.34	\$28.61
33-3041	Parking Enforcement Workers	\$12.34	\$17.60	\$15.17	\$18.43	\$20.69
53-6021	Parking Lot Attendants	\$6.25*	\$7.69	\$6.38	\$7.47	\$8.61
41-2022	Parts Salespersons	\$9.23	\$16.41	\$10.39	\$14.23	\$21.10
51-4062	Patternmakers, Metal and Plastic	\$7.63	\$11.88	\$8.25	\$10.47	\$15.93
51-7032	Patternmakers, Wood	\$6.25*	\$11.21	\$6.33	\$8.73	\$15.05
47-2071	Paving, Surfacing, and Tamping Equipment Operators	\$17.24	\$25.15	\$19.38	\$27.78	\$31.86
43-3051	Payroll and Timekeeping Clerks	\$12.00	\$16.37	\$13.70	\$16.31	\$19.16
39-9021	Personal and Home Care Aides	\$6.30	\$7.91	\$6.82	\$7.82	\$8.82
39-0000	Personal Care and Service Occupations	\$6.25*	\$10.33	\$6.41	\$7.85	\$11.14
39-9099	Personal Care and Service Workers, All Other	\$8.62	\$12.38	\$9.93	\$12.51	\$14.94
13-2052	Personal Financial Advisors	\$20.46	(3)	\$22.53	\$33.91	>\$70.01
37-2021	Pest Control Workers	\$10.61	\$12.99	\$11.18	\$12.49	\$13.80
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$8.25	\$10.46	\$8.77	\$10.12	\$11.65
17-2171	Petroleum Engineers	\$30.95	\$39.94	\$33.06	\$39.44	\$45.67
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	\$19.34	\$23.33	\$20.23	\$23.34	\$26.52
29-1051	Pharmacists	\$31.48	\$38.48	\$36.14	\$39.90	\$43.55
31-9095	Pharmacy Aides	\$7.44	\$10.52	\$8.16	\$10.27	\$12.77
29-2052	Pharmacy Technicians	\$9.91	\$13.95	\$11.56	\$14.12	\$16.20
27-4021	Photographers	\$7.17	\$11.21	\$7.72	\$9.48	\$14.44

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-9131	Photographic Process Workers	\$9.38	\$12.55	\$9.76	\$10.82	\$13.44
51-9132	Photographic Processing Machine Operators	\$8.39	\$12.23	\$9.09	\$10.77	\$15.42
19-2099	Physical Scientists, All Other	\$18.32	\$30.19	\$20.28	\$26.28	\$36.45
31-2022	Physical Therapist Aides	\$9.38	\$10.70	\$9.47	\$10.32	\$11.36
31-2021	Physical Therapist Assistants	\$15.94	\$19.55	\$17.84	\$19.89	\$21.93
29-1123	Physical Therapists	\$28.02	\$35.09	\$30.08	\$34.99	\$40.90
29-1071	Physician Assistants	\$18.20	\$32.71	\$28.90	\$37.72	\$41.76
29-1069	Physicians and Surgeons, All Other	\$48.89	\$53.45	\$48.60	\$52.53	\$56.46
47-2151	Pipelayers	\$18.31	\$22.51	\$20.46	\$23.51	\$25.92
51-8099	Plant and System Operators, All Other	\$13.45	\$18.49	\$14.81	\$17.37	\$20.66
47-2161	Plasterers and Stucco Masons	\$12.74	\$19.70	\$15.26	\$20.30	\$24.73
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.08	\$10.03	\$7.68	\$9.16	\$11.03
47-2152	Plumbers, Pipefitters, and Steamfitters	\$11.15	\$17.95	\$13.03	\$17.68	\$22.81
29-1081	Podiatrists	\$18.24	\$37.02	\$20.54	\$37.63	\$57.07
43-5031	Police, Fire, and Ambulance Dispatchers	\$19.42	\$21.99	\$19.54	\$21.59	\$24.92
25-1099	Postsecondary Teachers, All Other	\$24.71	\$35.33	\$28.24	\$35.92	\$43.00
25-1199	Postsecondary Teachers, All Other	(2)	(2)	(2)	(2)	(2)
51-4052	Pourers and Casters, Metal	\$9.43	\$12.19	\$10.06	\$11.80	\$13.81
49-9069	Precision Instrument and Equipment Repairers, All Other	\$12.15	\$18.19	\$13.79	\$17.36	\$22.90
51-5022	Prepress Technicians and Workers	\$8.49	\$15.86	\$10.01	\$15.43	\$21.40

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-2011	Preschool Teachers, Except Special Education	\$7.53	\$9.92	\$8.01	\$9.40	\$11.04
51-6021	Pressers, Textile, Garment, and Related Materials	\$6.25*	\$7.77	\$6.59	\$7.66	\$8.93
51-5023	Printing Machine Operators	\$7.17	\$12.37	\$8.16	\$10.67	\$14.87
33-9021	Private Detectives and Investigators	\$9.45	\$13.27	\$10.08	\$12.06	\$15.18
43-3061	Procurement Clerks	\$10.40	\$15.49	\$11.92	\$15.07	\$17.72
27-2012	Producers and Directors	(2)	(2)	(2)	(2)	(2)
51-0000	Production Occupations	\$6.84	\$11.79	\$7.55	\$9.96	\$14.22
51-9199	Production Workers, All Other	\$6.75	\$10.66	\$7.34	\$9.04	\$12.50
43-5061	Production, Planning, and Expediting Clerks	\$11.16	\$17.79	\$13.05	\$17.28	\$21.94
43-9081	Proofreaders and Copy Markers	\$9.40	\$12.29	\$9.99	\$11.82	\$13.76
11-9141	Property, Real Estate, and Community Association Managers	\$17.63	\$29.18	\$20.08	\$26.08	\$36.92
33-0000	Protective Service Occupations	\$7.53	\$16.10	\$8.01	\$10.59	\$23.54
33-9099	Protective Service Workers, All Other	\$8.15	\$12.79	\$9.22	\$11.90	\$14.18
29-2053	Psychiatric Technicians	\$13.11	\$16.61	\$14.12	\$16.65	\$19.42
29-1066	Psychiatrists	\$53.29	\$61.77	\$57.07	\$60.69	\$68.91
25-1066	Psychology Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
11-2031	Public Relations Managers	\$22.00	\$39.87	\$26.49	\$35.92	\$55.80
27-3031	Public Relations Specialists	\$12.52	\$19.47	\$13.59	\$17.76	\$23.46
53-7072	Pump Operators, Except Wellhead Pumpers	\$12.78	\$17.15	\$14.15	\$17.27	\$20.29
13-1021	Purchasing Agents and Buyers, Farm Products	\$14.43	\$24.06	\$16.03	\$20.50	\$33.16

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	\$14.30	\$21.56	\$16.15	\$20.25	\$25.91
11-3061	Purchasing Managers	\$20.71	\$35.92	\$23.82	\$34.27	\$43.91
29-1124	Radiation Therapists	\$18.98	\$26.49	\$24.59	\$28.38	\$32.36
27-4013	Radio Operators	\$12.08	\$21.10	\$12.82	\$20.30	\$29.72
29-2034	Radiologic Technologists and Technicians	\$17.82	\$24.21	\$20.17	\$24.45	\$27.73
41-9021	Real Estate Brokers	\$18.35	(3)	\$24.32	\$50.00	>\$70.01
41-9022	Real Estate Sales Agents	\$6.25*	\$16.42	\$6.60	\$11.02	\$18.94
43-4171	Receptionists and Information Clerks	\$7.80	\$10.80	\$8.98	\$10.56	\$12.89
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
39-9032	Recreation Workers	\$6.89	\$9.94	\$7.44	\$8.86	\$11.28
29-1125	Recreational Therapists	\$9.87	\$15.66	\$11.23	\$16.10	\$18.48
49-3092	Recreational Vehicle Service Technicians	\$10.27	\$19.15	\$10.98	\$14.06	\$28.83
53-7081	Refuse and Recyclable Material Collectors	\$10.77	\$16.32	\$12.36	\$16.00	\$20.50
29-1111	Registered Nurses	\$21.41	\$25.70	\$22.86	\$25.59	\$28.40
21-1015	Rehabilitation Counselors	\$14.40	\$20.82	\$15.18	\$17.84	\$25.34
47-2171	Reinforcing Iron and Rebar Workers	\$10.99	\$13.83	\$11.63	\$13.52	\$16.06
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	\$7.70	\$12.89	\$8.00	\$9.84	\$15.56
39-9041	Residential Advisors	\$7.78	\$9.07	\$7.83	\$8.60	\$9.97
29-1126	Respiratory Therapists	\$16.90	\$20.33	\$17.95	\$20.21	\$22.37
29-2054	Respiratory Therapy Technicians	\$15.54	\$18.92	\$16.48	\$18.95	\$21.17

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
41-2031	Retail Salespersons	\$6.86	\$10.41	\$7.29	\$8.42	\$10.89
49-9096	Riggers	\$8.96	\$17.15	\$10.11	\$15.04	\$21.67
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	\$6.25*	\$9.25	\$6.57	\$9.37	\$11.39
47-2181	Roofers	\$8.03	\$13.78	\$8.93	\$12.71	\$17.47
47-5071	Roustabouts, Oil and Gas	\$14.82	\$16.68	\$14.97	\$16.54	\$18.53
41-0000	Sales and Related Occupations	\$7.02	\$15.98	\$7.83	\$11.35	\$19.96
41-9099	Sales and Related Workers, All Other	\$8.52	\$19.02	\$10.93	\$16.61	\$24.48
41-9031	Sales Engineers	\$22.24	\$33.79	\$25.60	\$33.08	\$41.63
11-2022	Sales Managers	\$23.98	\$42.84	\$28.24	\$40.53	\$58.97
41-3099	Sales Representatives, Services, All Other	\$9.15	\$20.58	\$11.36	\$16.41	\$25.92
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Product	\$13.75	\$24.98	\$16.01	\$21.69	\$30.65
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	\$16.65	\$29.87	\$19.38	\$28.52	\$35.66
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	\$7.74	\$9.71	\$8.28	\$9.44	\$10.58
25-2031	Secondary School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
43-6014	Secretaries, Except Legal, Medical, and Executive	\$9.95	\$14.60	\$11.10	\$14.66	\$17.61
41-3031	Securities, Commodities, and Financial Services Sales Agents	\$14.01	\$30.78	\$16.38	\$25.36	\$45.34
49-2098	Security and Fire Alarm Systems Installers	\$12.70	\$16.74	\$13.99	\$16.24	\$18.62
33-9032	Security Guards	\$7.35	\$9.78	\$7.53	\$8.35	\$10.30
25-3021	Self-Enrichment Education Teachers	\$8.26	\$14.20	\$9.51	\$11.73	\$18.29

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-9141	Semiconductor Processors	\$8.01	\$11.84	\$9.24	\$11.00	\$14.60
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and	\$7.26	\$11.10	\$8.99	\$10.15	\$11.39
53-6031	Service Station Attendants	\$6.51	\$8.23	\$7.01	\$7.79	\$8.67
27-1027	Set and Exhibit Designers	\$15.47	\$22.10	\$19.43	\$24.20	\$26.46
51-6051	Sewers, Hand	\$6.25*	\$6.73	\$6.25*	\$6.51	\$7.05
51-6031	Sewing Machine Operators	\$6.25*	\$7.78	\$6.42	\$7.48	\$8.72
39-5093	Shampooers	\$6.70	\$7.69	\$7.13	\$7.81	\$8.47
47-2211	Sheet Metal Workers	\$8.92	\$16.24	\$10.84	\$14.09	\$21.08
43-5071	Shipping, Receiving, and Traffic Clerks	\$7.70	\$11.60	\$8.62	\$10.74	\$13.75
51-6041	Shoe and Leather Workers and Repairers	\$7.41	\$9.39	\$8.41	\$9.77	\$10.68
39-5094	Skin Care Specialists	\$6.64	\$15.62	\$7.47	\$12.44	\$28.39
11-9151	Social and Community Service Managers	\$14.08	\$23.24	\$15.46	\$21.50	\$28.47
21-1093	Social and Human Service Assistants	\$10.66	\$16.13	\$11.88	\$14.46	\$18.21
19-3099	Social Scientists and Related Workers, All Other	\$15.54	\$24.25	\$17.69	\$24.44	\$29.56
27-4014	Sound Engineering Technicians	\$7.69	\$21.52	\$9.02	\$15.59	\$33.30
25-2042	Special Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	(2)	(2)	(2)	(2)	(2)
25-2043	Special Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)
29-1127	Speech-Language Pathologists	\$22.47	\$31.08	\$25.04	\$31.32	\$36.02

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-8021	Stationary Engineers and Boiler Operators	\$12.83	\$21.67	\$15.74	\$22.94	\$27.18
43-9111	Statistical Assistants	\$10.46	\$14.99	\$11.28	\$13.12	\$18.34
15-2041	Statisticians	\$20.97	\$32.57	\$25.38	\$34.58	\$40.95
43-5081	Stock Clerks and Order Fillers	\$7.10	\$11.06	\$7.82	\$10.11	\$13.35
47-2022	Stonemasons	\$12.01	\$16.19	\$14.37	\$16.51	\$19.36
47-2221	Structural Iron and Steel Workers	\$14.35	\$22.22	\$16.89	\$21.33	\$27.89
51-2041	Structural Metal Fabricators and Fitters	\$7.05	\$11.17	\$7.67	\$9.57	\$14.06
21-1011	Substance Abuse and Behavioral Disorder Counselors	\$13.05	\$17.03	\$13.72	\$15.81	\$19.97
29-1067	Surgeons	\$49.10	(3)	\$54.56	\$59.63	>\$70.01
29-2055	Surgical Technologists	\$14.69	\$16.43	\$14.83	\$16.17	\$17.51
19-3022	Survey Researchers	\$8.29	\$13.85	\$8.81	\$12.87	\$17.07
17-3031	Surveying and Mapping Technicians	\$12.20	\$20.00	\$12.75	\$19.27	\$26.20
17-1022	Surveyors	\$19.03	\$27.97	\$21.42	\$29.41	\$33.63
43-2011	Switchboard Operators, Including Answering Service	\$8.54	\$11.17	\$9.20	\$11.13	\$12.91
51-6052	Tailors, Dressmakers, and Custom Sewers	\$10.65	\$14.56	\$11.79	\$14.43	\$16.93
53-7121	Tank Car, Truck, and Ship Loaders	\$10.95	\$14.36	\$12.08	\$14.81	\$16.57
47-2082	Tapers	\$14.50	\$19.87	\$16.71	\$19.99	\$23.58
13-2081	Tax Examiners, Collectors, and Revenue Agents	\$18.19	\$26.56	\$20.41	\$26.61	\$32.78
13-2082	Tax Preparers	\$12.71	\$17.57	\$12.55	\$13.67	\$23.33
53-3041	Taxi Drivers and Chauffeurs	\$6.27	\$8.55	\$6.80	\$7.98	\$9.73

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-9041	Teacher Assistants	(2)	(2)	(2)	(2)	(2)
51-2092	Team Assemblers	\$7.03	\$10.37	\$7.68	\$9.45	\$12.10
27-3042	Technical Writers	\$17.72	\$25.38	\$20.20	\$25.44	\$31.54
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	\$14.90	\$20.51	\$17.38	\$21.31	\$24.97
49-9052	Telecommunications Line Installers and Repairers	\$11.87	\$18.96	\$13.43	\$18.31	\$24.98
41-9041	Telemarketers	\$7.74	\$13.34	\$8.51	\$10.96	\$16.08
43-2021	Telephone Operators	\$10.72	\$16.71	\$14.62	\$18.86	\$20.56
43-3071	Tellers	\$8.90	\$10.73	\$9.34	\$10.45	\$11.73
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	\$6.47	\$9.38	\$7.02	\$9.74	\$11.21
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	\$6.25*	\$7.80	\$6.25*	\$6.95	\$8.80
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	\$6.25*	\$7.38	\$6.25*	\$6.67	\$9.28
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	\$6.25*	\$6.92	\$6.25*	\$6.45	\$7.59
51-6099	Textile, Apparel, and Furnishings Workers, All Other	\$6.25*	\$7.89	\$6.43	\$7.39	\$8.67
47-2044	Tile and Marble Setters	\$11.52	\$20.30	\$14.34	\$20.73	\$26.21
51-2093	Timing Device Assemblers, Adjusters, and Calibrators	\$9.00	\$11.84	\$9.37	\$10.73	\$13.08
49-3093	Tire Repairers and Changers	\$8.40	\$13.02	\$8.93	\$10.42	\$16.99
23-2093	Title Examiners, Abstractors, and Searchers	\$14.20	\$23.29	\$16.57	\$21.68	\$27.68
51-4111	Tool and Die Makers	\$12.68	\$19.53	\$14.66	\$19.76	\$23.92
51-4194	Tool Grinders, Filers, and Sharpeners	\$9.22	\$14.87	\$10.43	\$15.01	\$18.69

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
39-6021	Tour Guides and Escorts	\$6.87	\$10.66	\$7.79	\$10.20	\$12.49
13-1073	Training and Development Specialists	\$15.74	\$24.38	\$18.52	\$22.80	\$29.87
53-0000	Transportation and Material Moving Occupations	\$6.71	\$11.61	\$7.35	\$10.21	\$15.08
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	\$8.43	\$17.73	\$8.68	\$16.66	\$25.21
53-6051	Transportation Inspectors	\$17.88	\$23.13	\$19.75	\$24.21	\$26.81
53-6099	Transportation Workers, All Other	\$8.42	\$15.96	\$8.63	\$17.54	\$20.36
11-3071	Transportation, Storage, and Distribution Managers	\$21.54	\$32.10	\$24.47	\$30.08	\$35.94
41-3041	Travel Agents	\$10.26	\$13.53	\$11.71	\$13.33	\$15.84
37-3013	Tree Trimmers and Pruners	\$8.46	\$14.03	\$9.02	\$11.87	\$16.38
53-3032	Truck Drivers, Heavy and Tractor-Trailer	\$12.53	\$16.91	\$13.90	\$16.66	\$19.76
53-3033	Truck Drivers, Light or Delivery Services	\$7.86	\$12.78	\$9.01	\$12.30	\$16.42
51-6093	Upholsterers	\$8.85	\$14.57	\$9.94	\$15.31	\$18.45
19-3051	Urban and Regional Planners	\$21.70	\$29.37	\$23.79	\$28.79	\$35.97
39-3031	Ushers, Lobby Attendants, and Ticket Takers	\$6.25*	\$6.62	\$6.25*	\$6.35	\$6.82
29-1131	Veterinarians	\$22.30	\$39.22	\$27.06	\$36.86	\$52.48
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	\$7.22	\$8.94	\$7.50	\$8.38	\$9.91
29-2056	Veterinary Technologists and Technicians	\$9.06	\$12.67	\$9.85	\$12.39	\$15.47
25-2023	Vocational Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-1194	Vocational Education Teachers, Postsecondary	\$16.92	\$27.47	\$19.61	\$26.67	\$35.35
25-2032	Vocational Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
35-3031	Waiters and Waitresses	\$6.25*	\$7.28	\$6.25*	\$6.74	\$7.78
49-9064	Watch Repairers	\$10.56	\$12.29	\$11.17	\$12.29	\$13.43
51-8031	Water and Liquid Waste Treatment Plant and System Operators	\$15.35	\$21.04	\$17.43	\$21.58	\$25.43
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	\$6.84	\$10.61	\$7.49	\$10.05	\$13.10
51-4121	Welders, Cutters, Solderers, and Brazers	\$8.96	\$16.86	\$10.17	\$14.09	\$20.83
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	\$9.20	\$15.85	\$10.44	\$14.57	\$21.24
13-1022	Wholesale and Retail Buyers, Except Farm Products	\$12.79	\$23.13	\$14.42	\$20.17	\$28.73
51-7099	Woodworkers, All Other	\$7.58	\$9.28	\$7.74	\$8.53	\$9.78
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	\$6.70	\$8.91	\$7.23	\$8.45	\$10.32
43-9022	Word Processors and Typists	\$10.41	\$14.37	\$11.25	\$13.65	\$17.07
27-3043	Writers and Authors	\$15.47	\$25.32	\$18.32	\$21.41	\$30.13

Data

- (1) The mean of the first third of the wage distribution is provided as a proxy for entry-level wage.
 - (2) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.
 - (3) For occupations where a substantial portion of workers earn more than \$70.01 per hour (the top step in the 2000 OES survey), the mean hourly and annual wages cannot be reliably calculated.
- * The survey reference date was in the fourth quarter of 2000, when the California minimum wage was \$5.75 per hour. Since these wages were updated to 2001, and the minimum wage changed to \$6.25 per hour on January 1, 2001, wages below \$6.25 were set to \$6.25 per hour. Starting January 1, 2002, the California minimum wage is \$6.75 per hour.

Source: Employment Development Department
Labor Market Information Division
(916) 262-2162

Projections & Planning Information

Module F:

Social & Economic Data

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Introduction To Social And Economic Data Tables

The data for the Social and Economic Data Tables were developed from a variety of sources to aid local organizations in identifying target group needs and in making appropriate resource allocations for employment and training activities.

Terms expressed in these tables are those commonly used by the U.S. Department of Commerce, the Bureau of the Census and the various state agencies which supplied the data. (The specified source of the data is noted at the bottom of each table.) To aid users of this publication, these terms are defined in the *Explanation of Terms and Concepts* section at the back of this packet.

Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

For technical assistance or additional information about the Employment Development Department's Labor Market Information Division Internet website, please call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

TABLE 1
PUBLIC ASSISTANCE RECIPIENTS BY PROGRAM
2000 - 2002
ORANGE COUNTY

Recipients by Program	July			CALIFORNIA July 2002
	2000	2001	2002	
California Work Opportunity and Responsibility To Kids (CalWORKs) (a)	58,861	52,526	49,573	1,331,704
Adults	14,494	12,878	10,457	297,063
Children	44,367	39,648	39,116	1,034,641
Food Stamps (b)	58,939	55,007	59,363	1,529,445
General Relief (c)	328	391	459	95,718
Refugee Cash Assistance (d)	99	187	81	1,362
Welfare to Work (e)	12,641	11,489	10,911	266,670

Source: California Department of Social Services

To access detailed reports for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>

CalWORKs: see report CA 237; Food Stamps: see report DFA 256;

General Relief: see report GR 237; Welfare to Work: see reports WTW 25 and WTW 25A.

(a) Data include foster care children.

(b) Includes those persons receiving public assistance payments and those not receiving public assistance payments.

(c) General Relief data for July 2001 were not available. Data provided are for March 2001.

(d) Refugee Cash Assistance data are for the third quarter and exclude CalWORKs recipients.

(e) With the passage of the Federal Personal Responsibility and Work Opportunity Act of 1996 and California's subsequent implementation of the California Work Opportunity and Responsibility to Kids Act (CalWORKs), the requirement for recipients of aid to participate in work related activities increased significantly. This number represents the number of CalWORKs recipients who have been enrolled or have been sent a notice to participate in Welfare to Work activities. These individuals may be required to participate or be willing to participate in these activities.

TABLE 2
PUBLIC ASSISTANCE RECIPIENTS (CalWORKs)
CHARACTERISTICS OF RECIPIENTS 16 YEARS AND OLDER
2000 - 2002
ORANGE COUNTY

Characteristics	July			CALIFORNIA
	2000	2001	2002	July 2002
Total Recipients 16+ (a) (b)	20,390	18,190	17,170	461,210
Male	3,900	3,480	3,290	88,310
Female	16,490	14,710	13,890	373,040
16-20.	4,300	3,840	3,620	97,300
21-44	14,530	12,960	12,240	328,710
45-54	1,240	1,110	1,050	28,150
55+	320	280	270	7,200
White (Not Hispanic)	5,630	5,070	4,750	113,140
Black (Not Hispanic)	870	770	780	101,960
Hispanic	8,810	8,380	8,550	206,470
Asian & Pacific Islander	4,980	3,880	3,000	33,350
American Indian	30	30	30	3,290
Filipino	70	60	60	3,000

(CalWORKs) California Work Opportunity And Responsibility To Kids

Source: California Department of Social Services; U.S. Department of Commerce, Bureau of the Census; Detailed data by sex, age, and race/ethnicity are extrapolations based on aggregate figures provided by the Department of Social Services.

To access the detailed report for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>
See report ABCD 350.

(a) Includes children in Two Parent, Zero Parent, All Others and Foster Care cases.

(b) Detail may not add to total due to independent rounding.

TABLE 3
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
ORANGE COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	MEAN ANNUAL WAGE	MEDIAN HOURLY WAGE (3)
		1999(2)	2006				
49011	SALESPERSONS, RETAIL	43,440	51,460	8,020	18.5	\$23,336	\$8.64
19005	GENERAL MANAGERS, TOP EXECUTIVES	42,340	50,010	7,670	18.1	(4)	(4)
67005	JANITORS, CLEANERS--EXCEPT MAIDS	21,340	27,850	6,510	30.5	\$20,088	\$8.32
55347	GENERAL OFFICE CLERKS	34,450	40,040	5,590	16.2	\$26,104	\$12.27
25102	SYSTEMS ANALYSTS--ELEC DATA PROC	7,320	12,410	5,090	69.5	\$67,951	\$31.41
49023	CASHIERS	27,360	32,390	5,030	18.4	\$20,021	\$8.18
79041	LABORERS, LANDSCAPING/GROUNDSKEE	18,680	23,030	4,350	23.3	\$19,663	\$8.58
25104	COMPUTER SUPPORT SPECIALISTS	6,260	10,350	4,090	65.3	\$45,531	\$21.07
63047	GUARDS AND WATCH GUARDS	10,680	14,310	3,630	34.0	\$20,803	\$8.82
55305	RECEPTIONISTS, INFORMATION CLERKS	17,010	20,280	3,270	19.2	\$22,162	\$10.39
65008	WAITERS AND WAITRESSES	23,670	26,940	3,270	13.8	\$15,689	\$6.96
97105	TRUCK DRIVERS, LIGHT	12,490	15,640	3,150	25.2	\$27,294	\$12.35
93956	ASSEMB, FABRICATORS--EX MACH,ELECT	15,570	18,370	2,800	18.0	\$20,785	\$8.80
98902	HAND PACKERS AND PACKAGERS	10,470	13,200	2,730	26.1	\$17,445	\$7.80
49008	SALES REPS, NON-SCIENTIFIC EX RET	14,320	16,760	2,440	17.0	\$57,065	\$23.39
22127	COMPUTER ENGINEERS	6,170	8,600	2,430	39.4	\$85,618	\$40.21
31308	TEACHERS--SECONDARY SCHOOL	9,860	12,130	2,270	23.0	\$53,042	(5)
49026	TELEMARKETERS, SOLICITORS & RELATED	4,690	6,900	2,210	47.1	\$26,121	\$10.60
31305	TEACHERS--ELEMENTARY SCHOOL	13,210	15,270	2,060	15.6	\$48,277	(5)
65041	COMBINED FOOD PREP AND SERVICE	17,230	19,200	1,970	11.4	\$15,882	\$7.54

Source: Employment Development Department, Labor Market Information Division,
Information Services Group and Occupational Employment Statistics Group

(1) Occupational Projections and OES Wages available online at www.calmis.ca.gov

(2) March 2001 Benchmark

(3) Median Hourly Wage is for the Orange Metropolitan Statistical Area (MSA).

(4) General Managers, Top Executives - Include the following Occupations:

Chief Executives, SOC Code 11-1011, Mean Annual Wage See (4a) - Median Hourly Wage >\$70.00;

Farm, Ranch and Other Agricultural Managers, SOC Code 11-9011, Mean Annual Wage \$58,695 - Median Hourly Wage \$24.90;

Sales Managers, SOC Code 11-2022, Mean Annual Wage \$92,482 - Median Hourly Wage \$42.31;

Gaming Managers, SOC Code 11-9071, Mean Annual Wage \$79,733 - Median Hourly Wage \$35.15

(4a) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey), the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.

(5) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 1 — San Diego Metropolitan Statistical Area

San Diego							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$8,450	\$13,850	\$19,010	\$23,460	\$27,690	\$32,380	\$4,690
6 Months	\$4,225	\$6,925	\$9,505	\$11,730	\$13,845	\$16,190	\$2,345
100%	\$12,070	\$19,780	\$27,150	\$33,510	\$39,550	\$46,250	\$6,700
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Table 2 — Los Angeles/Riverside/Orange County Metropolitan Statistical Area

Anaheim		Los Angeles County				San Bernardino County	
Carson/Lomita/Torrance		Orange County				SELACO	
Foothill		Riverside County				South Bay	
Long Beach		Santa Ana				Ventura	
Los Angeles City		San Bernardino City				Verdugo	
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,900	\$12,940	\$17,770	\$21,930	\$25,880	\$30,270	\$4,390
6 Months	\$3,950	\$6,470	\$8,885	\$10,965	\$12,940	\$15,135	\$2,195
100%	\$11,280	\$18,490	\$25,380	\$31,330	\$36,970	\$43,240	\$6,270
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 3 — San Francisco/Oakland/San Jose Metropolitan Statistical Area

Alameda	Oakland			Santa Cruz			
Contra Costa	Richmond			Solano			
Marin	San Francisco			Sonoma			
Napa	San Jose						
NOVA	San Mateo						
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$8,570	\$14,040	\$19,270	\$23,790	\$28,080	\$32,840	\$4,760
6 Months	\$4,285	\$7,020	\$9,635	\$11,895	\$14,040	\$16,420	\$2,380
100%	\$12,240	\$20,060	\$27,540	\$33,990	\$40,110	\$46,910	\$6,800
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Table 4 — Other Metropolitan Areas

Fresno	NoRTEC						Stanislaus
Golden Sierra	North Central						Tulare
Kern/Inyo/Mono	Sacramento						Yolo
Merced	San Joaquin						
Monterey	Santa Barbara						
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,820	\$12,810	\$17,580	\$21,700	\$25,610	\$29,950	\$4,340
6 Months	\$3,910	\$6,405	\$8,790	\$10,850	\$12,805	\$14,975	\$2,170
100%	\$11,160	\$18,290	\$25,110	\$30,990	\$36,570	\$42,770	\$6,200
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 5 — Nonmetropolitan Areas

Humboldt		Mother Lode					
Imperial		San Benito					
Kings		San Luis Obispo					
Madera							
Mendocino							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,560	\$12,390	\$17,010	\$20,990	\$24,770	\$28,970	\$4,200
6 Months	\$3,780	\$6,195	\$8,505	\$10,495	\$12,385	\$14,485	\$2,100
100%	\$10,800	\$17,690	\$24,290	\$29,980	\$35,380	\$41,380	\$6,000
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Source: State of California, Workforce Investment Division, Workforce Investment Act Directive, Number: WIAD01-18, Dated June 11, 2002.

(a) Tables 1 through 5 show the 70 percent LLSIL and the poverty guidelines for western metropolitan and nonmetropolitan areas, and for three specific Metropolitan Statistical Areas in California. In addition, each LLSIL table includes the 100 percent LLSIL that establishes the Department of Labor's minimum self-sufficiency levels. Each table specifies which areas encompass which Local Workforce Investment Area (LWIA). For a family of one, in all tables, the poverty guidelines exceed the 70 percent LLSIL and, therefore, should be used to establish the low-income status. For all other family sizes, the LLSILs exceed the poverty guidelines. The last column in each table shows the amount to be added to the figure for a family of six for each additional family member.

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

LWIA NAME: ORANGE COUNTY

JURISDICTIONS INCLUDED: ORANGE COUNTY (LESS ANAHEIM CITY AND SANTA ANA CITY)

JANUARY 10, 2003

CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS

LABOR FORCE STATUS (1)	
EMPLOYED	1,177,805
UNEMPLOYED	44,801
UNEMPLOYMENT RATE	3.7
NOT IN LABOR FORCE (2)	
	556,292
2002 VETERAN INFORMATION	
TOTAL VETERANS (3)	182,819
MALE	172,742
FEMALE	10,077
VIETNAM ERA VETERANS - CENSUS 2000 (4)	59,132
DISABLED VETERANS (5)	10,195
OFFENDERS (6)	
	20,790
% OF PEOPLE IN POVERTY: ORANGE COUNTY, 1998 (7)	
	10.1

1990 CENSUS (8)

FAMILIES IN POVERTY AS A % OF ALL FAMILIES 4.1

CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (9)

	14 - 15 (10)		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL ECONOMIC DISADVANTAGED	5,054	100.0	16,782	100.0	58,795	100.0	10,529	100.0	86,106	100.0
BY RACE:										
WHITE NOT HISPANIC	1,828	36.2	6,604	39.3	23,587	40.1	7,609	72.3	37,800	43.9
BLACK NOT HISPANIC	74	1.5	248	1.5	897	1.5	77	0.7	1,222	1.4
AMERICAN INDIAN NOT HISP	21	0.4	55	0.3	345	0.6	160	1.5	560	0.7
ASIAN NOT HISPANIC	1,436	28.4	3,242	19.3	10,901	18.5	1,432	13.6	15,575	18.1
PACIFIC ISLAND NOT HISP	0	0	58	0.3	138	0.2	0	0	196	0.2
HISPANIC	1,696	33.6	6,576	39.2	22,926	39.0	1,251	11.9	30,753	35.7
BY SEX:										
MALE	2,493	49.3	8,164	48.6	26,858	45.7	3,765	35.8	38,787	45.0
FEMALE	2,561	50.7	8,618	51.4	31,937	54.3	6,764	64.2	47,319	55.0
HIGH SCHOOL EXPERIENCE:										
DROPOUTS	454	9.0	4,241	25.3	22,667	38.6	4,179	39.7	31,087	36.1
GRADUATES	0	0	1,187	7.1	17,062	29.0	3,481	33.1	21,730	25.2
STUDENTS	2,130	42.1	4,298	25.6	1,248	2.1	0	0	5,546	6.4
DISABLED										
	146	2.9	918	5.5	7,119	12.1	3,254	30.9	11,291	13.1
LIMITED ENGLISH PROF										
	719	14.2	3,882	23.1	18,515	31.5	1,578	15.0	23,975	27.8

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

LWIA NAME: ANAHEIM CITY
 JURISDICTIONS INCLUDED: ANAHEIM CITY

JANUARY 10, 2003

CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS

LABOR FORCE STATUS (1)		
EMPLOYED		175,722
UNEMPLOYED		8,157
UNEMPLOYMENT RATE		4.4
NOT IN LABOR FORCE (2)		72,398
2002 VETERAN INFORMATION - ORANGE COUNTY		
TOTAL VETERANS (3)		182,819
MALE		172,742
FEMALE		10,077
VIETNAM ERA VETERANS - CENSUS 2000 (4)		59,132
DISABLED VETERANS (5)		10,195
OFFENDERS (6)		4,113
% OF PEOPLE IN POVERTY: ORANGE COUNTY, 1998 (7)		10.1

1990 CENSUS (8)

FAMILIES IN POVERTY AS A % OF ALL FAMILIES 7.4

CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (9)

	14 - 15 (10)		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL ECONOMIC DISADVANTAGED	1,250	100.0	4,324	100.0	14,087	100.0	2,006	100.0	20,417	100.0
BY RACE:										
WHITE NOT HISPANIC	174	13.9	1,086	25.1	3,657	26.0	1,314	65.5	6,057	29.7
BLACK NOT HISPANIC	79	6.3	92	2.1	337	2.4	0	0.0	429	2.1
AMERICAN INDIAN NOT HISP	0	0.0	20	0.5	109	0.8	57	2.9	186	0.9
ASIAN NOT HISPANIC	232	18.6	356	8.2	1,192	8.5	203	10.1	1,751	8.6
PACIFIC ISLAND NOT HISP	0	0.0	0	0.0	22	0.2	0	0.0	22	0.1
HISPANIC	765	61.2	2,770	64.1	8,770	62.3	432	21.5	11,972	58.6
BY SEX:										
MALE	566	45.3	1,885	43.6	6,699	47.6	470	23.4	9,054	44.3
FEMALE	684	54.7	2,439	56.4	7,388	52.4	1,536	76.6	11,363	55.7
HIGH SCHOOL EXPERIENCE:										
DROPOUTS	65	5.2	1,978	45.8	7,528	53.4	782	39.0	10,288	50.4
GRADUATES	0	0.0	323	7.5	2,607	18.5	550	27.4	3,480	17.0
STUDENTS	458	36.6	1,141	26.4	320	2.3	0	0.0	1,461	7.2
DISABLED	0	0.0	254	5.9	1,229	8.7	691	34.4	2,174	10.6
LIMITED ENGLISH PROF	128	10.2	1,884	43.6	6,383	45.3	388	19.3	8,655	42.4

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

LWIA NAME: SANTA ANA CITY
 JURISDICTIONS INCLUDED: SANTA ANA CITY

JANUARY 10, 2003

CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS

LABOR FORCE STATUS (1)		
EMPLOYED		147,872
UNEMPLOYED		7,953
UNEMPLOYMENT RATE		5.1
NOT IN LABOR FORCE (2)		93,892
2002 VETERAN INFORMATION - ORANGE COUNTY		
TOTAL VETERANS (3)		182,819
MALE		172,742
FEMALE		10,077
VIETNAM ERA VETERANS - CENSUS 2000 (4)		59,132
DISABLED VETERANS (5)		10,195
OFFENDERS (6)		4,478
% OF PEOPLE IN POVERTY: ORANGE COUNTY, 1998 (7)		10.1

1990 CENSUS (8)

FAMILIES IN POVERTY AS A % OF ALL FAMILIES 12.5

CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (9)

	14 - 15 (10)		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL ECONOMIC DISADVANTAGED	2,588	100.0	9,460	100.0	28,401	100.0	2,562	100.0	40,423	100.0
BY RACE:										
WHITE NOT HISPANIC	167	6.5	592	6.3	1,412	5.0	926	36.2	2,930	7.2
BLACK NOT HISPANIC	76	2.9	93	1.0	313	1.1	28	1.1	434	1.1
AMERICAN INDIAN NOT HISP	20	0.8	34	0.4	52	0.2	0	0.0	86	0.2
ASIAN NOT HISPANIC	408	15.8	905	9.6	2,234	7.9	315	12.3	3,454	8.5
PACIFIC ISLAND NOT HISP	0	0.0	19	0.2	76	0.3	0	0.0	95	0.2
HISPANIC	1,916	74.0	7,817	82.6	24,314	85.6	1,293	50.5	33,424	82.7
BY SEX:										
MALE	1,193	46.1	5,291	55.9	13,859	48.8	1,044	40.7	20,194	50.0
FEMALE	1,395	53.9	4,169	44.1	14,542	51.2	1,518	59.3	20,229	50.0
HIGH SCHOOL EXPERIENCE:										
DROPOUTS	120	4.6	4,638	49.0	20,146	70.9	1,588	62.0	26,372	65.2
GRADUATES	0	0.0	201	2.1	2,095	7.4	360	14.0	2,656	6.6
STUDENTS	1,057	40.8	2,675	28.3	1,334	4.7	43	1.7	4,052	10.0
DISABLED	87	3.4	593	6.3	2,835	10.0	693	27.1	4,121	10.2
LIMITED ENGLISH PROF	419	16.2	4,851	51.3	18,073	63.6	916	35.7	23,840	59.0

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

Footnotes and data sources:

Source: Employment Development Department, Labor Market Information Division,
Current Economic Statistics Group.

Note: Data provided are the most recent available.

- (1) Labor force in this category refers to civilian labor force (16 years and older). This category includes, but is not limited to, the economically disadvantaged. Labor Force data are based on preliminary data (monthly average) for the period 12/2001 through 11/2002. March 2001 Benchmark.
- (2) Not in labor force (16 years and older) are those who are not employed and not actively seeking employment. This category includes, but is not limited to, the economically disadvantaged. Not in labor force data are based on preliminary labor force data (12/01 - 11/02), Department of Finance populations estimates as of 1/02 and working age populations from 1990 census data.
- (3) Department of Veterans Affairs, Office of the Actuary, Estimated Veteran Totals, September 30, 2002, Washington, D.C.
- (4) U.S. Census Bureau, Census 2000, American FactFinder.
- (5) Department of Veterans Affairs, Statistics for Veterans Receiving Compensation and Pension Benefits, February 14, 2002, Washington, D.C.
- (6) 2001 Criminal Justice Profile, California Department of Justice.
- (7) U.S. Census Bureau. County Estimates for People of All Ages in Poverty by County: California 1998 (Estimates model 1998 income reported in the March 1999 Current Population Survey.)
- (8) Based on poverty data from the 1990 census. The 2000 census data will not be available until 2005. The economically disadvantaged population was provided by the Employment and Training Administration from a custom tabulation provided by the United States Bureau of Census.
- (9) Data for each characteristic in this section were derived by an independent estimating process using census summary data and census public use micro sample. Totals may not match other data from the same sources.
- (10) Data are not included in **Total 16 - 72** column.

Table DP-1. Profile of General Demographic Characteristics: 2000

Geographic Area: Orange County, California

[For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population	2,846,289	100.0	HISPANIC OR LATINO AND RACE		
SEX AND AGE			Total population	2,846,289	100.0
Male	1,416,045	49.8	Hispanic or Latino (of any race)	875,579	30.8
Female	1,430,244	50.2	Mexican	712,496	25.0
Under 5 years	216,014	7.6	Puerto Rican	8,877	0.3
5 to 9 years	231,928	8.1	Cuban	6,703	0.2
10 to 14 years	204,119	7.2	Other Hispanic or Latino	147,503	5.2
15 to 19 years	194,543	6.8	Not Hispanic or Latino	1,970,710	69.2
20 to 24 years	189,996	6.7	White alone	1,458,978	51.3
25 to 34 years	466,324	16.4	RELATIONSHIP		
35 to 44 years	477,289	16.8	Total population	2,846,289	100.0
45 to 54 years	360,739	12.7	In households	2,803,924	98.5
55 to 59 years	128,152	4.5	Householder	935,287	32.9
60 to 64 years	96,422	3.4	Spouse	522,514	18.4
65 to 74 years	148,702	5.2	Child	884,189	31.1
75 to 84 years	97,967	3.4	Own child under 18 years	672,321	23.6
85 years and over	34,094	1.2	Other relatives	252,741	8.9
Median age (years)	33.3	(X)	Under 18 years	73,844	2.6
18 years and over	2,077,870	73.0	Nonrelatives	209,193	7.3
Male	1,021,503	35.9	Unmarried partner	46,808	1.6
Female	1,056,367	37.1	In group quarters	42,365	1.5
21 years and over	1,961,630	68.9	Institutionalized population	16,464	0.6
62 years and over	335,639	11.8	Noninstitutionalized population	25,901	0.9
65 years and over	280,763	9.9	HOUSEHOLD BY TYPE		
Male	115,886	4.1	Total households	935,287	100.0
Female	164,877	5.8	Family households (families)	667,917	71.4
RACE			With own children under 18 years	345,803	37.0
One race	2,729,138	95.9	Married-couple family	522,514	55.9
White	1,844,652	64.8	With own children under 18 years	271,782	29.1
Black or African American	47,649	1.7	Female householder, no husband present	99,652	10.7
American Indian and Alaska Native	19,906	0.7	With own children under 18 years	53,184	5.7
Asian	386,785	13.6	Nonfamily households	267,370	28.6
Asian Indian	27,197	1.0	Householder living alone	197,650	21.1
Chinese	59,717	2.1	Householder 65 years and over	67,247	7.2
Filipino	48,946	1.7	Households with individuals under 18 years	378,343	40.5
Japanese	31,283	1.1	Households with individuals 65 years and over	199,741	21.4
Korean	55,573	2.0	Average household size	3.00	(X)
Vietnamese	135,548	4.8	Average family size	3.48	(X)
Other Asian ¹	28,521	1.0	HOUSING OCCUPANCY		
Native Hawaiian and Other Pacific Islander	8,938	0.3	Total housing units	969,484	100.0
Native Hawaiian	1,986	0.1	Occupied housing units	935,287	96.5
Guamanian or Chamorro	1,363	-	Vacant housing units	34,197	3.5
Samoan	3,555	0.1	For seasonal, recreational, or		
Other Pacific Islander ²	2,034	0.1	occasional use	8,336	0.9
Some other race	421,208	14.8	Homeowner vacancy rate (percent)	0.9	(X)
Two or more races	117,151	4.1	Rental vacancy rate (percent)	3.0	(X)
Race alone or in combination with one			HOUSING TENURE		
or more other races: ³			Occupied housing units	935,287	100.0
White	1,945,080	68.3	Owner-occupied housing units	574,456	61.4
Black or African American	59,426	2.1	Renter-occupied housing units	360,831	38.6
American Indian and Alaska Native	37,584	1.3	Average household size of owner-occupied units	2.96	(X)
Asian	423,911	14.9	Average household size of renter-occupied units	3.05	(X)
Native Hawaiian and Other Pacific Islander	16,666	0.6			
Some other race	487,122	17.1			

- Represents zero or rounds to zero. (X) Not applicable.

¹ Other Asian alone, or two or more Asian categories.² Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.³ In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000.

Table DP-2. Profile of Selected Social Characteristics: 2000

Geographic area: Orange County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
SCHOOL ENROLLMENT			NATIVITY AND PLACE OF BIRTH		
Population 3 years and over enrolled in school	847,671	100.0	Total population	2,846,289	100.0
Nursery school, preschool	47,441	5.6	Native	1,996,390	70.1
Kindergarten	47,040	5.5	Born in United States	1,971,326	69.3
Elementary school (grades 1-8)	357,414	42.2	State of residence	1,322,976	46.5
High school (grades 9-12)	165,027	19.5	Different state	648,350	22.8
College or graduate school	230,749	27.2	Born outside United States	25,064	0.9
EDUCATIONAL ATTAINMENT			Foreign born	849,899	29.9
Population 25 years and over	1,813,456	100.0	Entered 1990 to March 2000	331,802	11.7
Less than 9th grade	191,242	10.5	Naturalized citizen	322,592	11.3
9th to 12th grade, no diploma	181,177	10.0	Not a citizen	527,307	18.5
High school graduate (includes equivalency)	317,332	17.5	REGION OF BIRTH OF FOREIGN BORN		
Some college, no degree	423,265	23.3	Total (excluding born at sea)	849,893	100.0
Associate degree	141,697	7.8	Europe	56,240	6.6
Bachelor's degree	370,454	20.4	Asia	311,466	36.6
Graduate or professional degree	188,289	10.4	Africa	10,387	1.2
Percent high school graduate or higher	79.5	(X)	Oceania	4,496	0.5
Percent bachelor's degree or higher	30.8	(X)	Latin America	450,252	53.0
MARITAL STATUS			Northern America	17,052	2.0
Population 15 years and over	2,190,890	100.0	LANGUAGE SPOKEN AT HOME		
Never married	621,180	28.4	Population 5 years and over	2,632,408	100.0
Now married, except separated	1,213,696	55.4	English only	1,542,698	58.6
Separated	46,264	2.1	Language other than English	1,089,710	41.4
Widowed	110,918	5.1	Speak English less than "very well"	590,167	22.4
Female	92,196	4.2	Spanish	665,069	25.3
Divorced	198,832	9.1	Speak English less than "very well"	384,787	14.6
Female	120,175	5.5	Other Indo-European languages	107,036	4.1
GRANDPARENTS AS CAREGIVERS			Speak English less than "very well"	30,041	1.1
Grandparent living in household with one or more own grandchildren under 18 years	71,119	100.0	Asian and Pacific Island languages	296,284	11.3
Grandparent responsible for grandchildren	18,792	26.4	Speak English less than "very well"	168,920	6.4
VETERAN STATUS			ANCESTRY (single or multiple)		
Civilian population 18 years and over ..	2,077,159	100.0	Total population	2,846,289	100.0
Civilian veterans	193,548	9.3	Total ancestries reported	3,075,460	108.1
DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION			Arab	24,847	0.9
Population 5 to 20 years	666,620	100.0	Czech ¹	11,960	0.4
With a disability	42,596	6.4	Danish	18,939	0.7
Population 21 to 64 years	1,677,263	100.0	Dutch	40,677	1.4
With a disability	287,872	17.2	English	253,269	8.9
Percent employed	60.2	(X)	French (except Basque) ¹	73,893	2.6
No disability	1,389,391	82.8	French Canadian ¹	15,164	0.5
Percent employed	75.1	(X)	German	333,606	11.7
Population 65 years and over	270,601	100.0	Greek	11,946	0.4
With a disability	103,532	38.3	Hungarian	13,673	0.5
RESIDENCE IN 1995			Irish ¹	246,360	8.7
Population 5 years and over	2,632,408	100.0	Italian	134,871	4.7
Same house in 1995	1,262,786	48.0	Lithuanian	5,624	0.2
Different house in the U.S. in 1995	1,241,418	47.2	Norwegian	43,276	1.5
Same county	877,717	33.3	Polish	53,435	1.9
Different county	363,701	13.8	Portuguese	9,200	0.3
Same state	254,594	9.7	Russian	32,161	1.1
Different state	109,107	4.1	Scotch-Irish	36,641	1.3
Elsewhere in 1995	128,204	4.9	Scottish	53,597	1.9
			Slovak	2,922	0.1
			Subsaharan African	7,464	0.3
			Swedish	46,990	1.7
			Swiss	8,963	0.3
			Ukrainian	6,030	0.2
			United States or American	98,765	3.5
			Welsh	18,219	0.6
			West Indian (excluding Hispanic groups)	2,754	0.1
			Other ancestries	1,470,214	51.7

-Represents zero or rounds to zero. (X) Not applicable.

¹The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Source: U.S. Bureau of the Census, Census 2000.

Table DP-4. Profile of Selected Housing Characteristics: 2000

Geographic area: Orange County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total housing units	969,484	100.0	OCCUPANTS PER ROOM		
UNITS IN STRUCTURE			Occupied housing units	935,287	100.0
1-unit, detached	490,141	50.6	1.00 or less	787,950	84.2
1-unit, attached	124,610	12.9	1.01 to 1.50	53,711	5.7
2 units	18,191	1.9	1.51 or more	93,626	10.0
3 or 4 units	70,468	7.3	Specified owner-occupied units	490,494	100.0
5 to 9 units	59,502	6.1	VALUE		
10 to 19 units	46,519	4.8	Less than \$50,000	4,151	0.8
20 or more units	127,594	13.2	\$50,000 to \$99,999	6,704	1.4
Mobile home	31,265	3.2	\$100,000 to \$149,999	28,866	5.9
Boat, RV, van, etc	1,194	0.1	\$150,000 to \$199,999	83,155	17.0
YEAR STRUCTURE BUILT			\$200,000 to \$299,999	170,517	34.8
1999 to March 2000	16,317	1.7	\$300,000 to \$499,999	137,546	28.0
1995 to 1998	53,251	5.5	\$500,000 to \$999,999	48,374	9.9
1990 to 1994	66,823	6.9	\$1,000,000 or more	11,181	2.3
1980 to 1989	169,309	17.5	Median (dollars)	270,000	(X)
1970 to 1979	267,467	27.6	MORTGAGE STATUS AND SELECTED		
1960 to 1969	218,690	22.6	MONTHLY OWNER COSTS		
1940 to 1959	152,980	15.8	With a mortgage	407,386	83.1
1939 or earlier	24,647	2.5	Less than \$300	1,060	0.2
ROOMS			\$300 to \$499	6,512	1.3
1 room	37,077	3.8	\$500 to \$699	12,160	2.5
2 rooms	88,353	9.1	\$700 to \$999	28,490	5.8
3 rooms	124,671	12.9	\$1,000 to \$1,499	99,785	20.3
4 rooms	147,824	15.2	\$1,500 to \$1,999	115,725	23.6
5 rooms	166,841	17.2	\$2,000 or more	143,654	29.3
6 rooms	155,324	16.0	Median (dollars)	1,620	(X)
7 rooms	113,565	11.7	Not mortgaged	83,108	16.9
8 rooms	76,474	7.9	Median (dollars)	314	(X)
9 or more rooms	59,355	6.1	SELECTED MONTHLY OWNER COSTS		
Median (rooms)	5.0	(X)	AS A PERCENTAGE OF HOUSEHOLD		
Occupied housing units	935,287	100.0	INCOME IN 1999		
YEAR HOUSEHOLDER MOVED INTO UNIT			Less than 15.0 percent	130,282	26.6
1999 to March 2000	201,141	21.5	15.0 to 19.9 percent	71,658	14.6
1995 to 1998	313,082	33.5	20.0 to 24.9 percent	72,528	14.8
1990 to 1994	145,270	15.5	25.0 to 29.9 percent	58,280	11.9
1980 to 1989	138,632	14.8	30.0 to 34.9 percent	41,496	8.5
1970 to 1979	85,204	9.1	35.0 percent or more	113,384	23.1
1969 or earlier	51,958	5.6	Not computed	2,866	0.6
VEHICLES AVAILABLE			Specified renter-occupied units	360,598	100.0
None	54,409	5.8	GROSS RENT		
1	291,024	31.1	Less than \$200	3,983	1.1
2	398,462	42.6	\$200 to \$299	4,210	1.2
3 or more	191,392	20.5	\$300 to \$499	11,247	3.1
HOUSE HEATING FUEL			\$500 to \$749	67,455	18.7
Utility gas	719,318	76.9	\$750 to \$999	125,185	34.7
Bottled, tank, or LP gas	10,512	1.1	\$1,000 to \$1,499	108,441	30.1
Electricity	188,500	20.2	\$1,500 or more	32,716	9.1
Fuel oil, kerosene, etc	166	-	No cash rent	7,361	2.0
Coal or coke	13	-	Median (dollars)	923	(X)
Wood	1,394	0.1	GROSS RENT AS A PERCENTAGE OF		
Solar energy	1,374	0.1	HOUSEHOLD INCOME IN 1999		
Other fuel	519	0.1	Less than 15.0 percent	47,045	13.0
No fuel used	13,491	1.4	15.0 to 19.9 percent	52,602	14.6
SELECTED CHARACTERISTICS			20.0 to 24.9 percent	52,479	14.6
Lacking complete plumbing facilities	5,060	0.5	25.0 to 29.9 percent	43,192	12.0
Lacking complete kitchen facilities	8,397	0.9	30.0 to 34.9 percent	31,547	8.7
No telephone service	6,308	0.7	35.0 percent or more	120,088	33.3
			Not computed	13,645	3.8

-Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.

Explanation Of Terms And Concepts

American Indian and Alaska Native: A person having origins in any of the original peoples of North and South America (including Central America), and who maintain tribal affiliation or community attachment.

Asian: A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent.

Black or African American: A person having origins in any of the Black racial groups of Africa.

CalWORKs: California Work Opportunity and Responsibility to Kids is a state designed public assistance program. Focus is on work and training; those who seek welfare must also seek work. Time and aid limits apply.

Food Stamp Recipient: A person receiving food stamp coupons that can be exchanged for groceries.

General Relief: A county administered assistance program which includes interim payments to the disabled, and payments to individuals who are ineligible for other assistance programs, such as CalWORKs and Refugee Cash Assistance.

Hispanic: Census 2000 adheres to the federal standards for collecting and presenting data on race and Hispanic origin as established by the Office of Management and Budget (OMB) in October 1997. The OMB defines Hispanic or Latino as "a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin regardless of race."

Native Hawaiian and Other Pacific Islander: A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

Public Assistance Recipient: A person receiving cash welfare payments and/or nonmonetary benefits under federal, state, or local welfare programs.

Refugee Cash Assistance: A cash assistance and employment services program designed for adults without children who have official status as refugee, and who have been in the United States for less than eight months. Aid is limited to eight months.

Some Other Race: Includes all other census responses not included in the "White," "Black or African American," "American Indian and Alaska Native," "Asian," and the "Native Hawaiian and Other Pacific Islander" race categories. Respondents providing write-in entries such as multiracial, mixed, interracial, or a Hispanic/Latino group (for example, Mexican, Puerto Rican, or Cuban) are included in this category.

Two or More Races: Refers to a classification of census respondents who chose to provide two or more races.

Veteran: A person who has served but is not now serving in the armed forces of the United States.

Vietnam-Era Veteran: A person who served between August 5, 1964, and May 7, 1975, but is not now serving in the armed forces of the United States.

Welfare-To-Work Program: The Welfare-To-Work Program helps family members acquire the skills needed to get a job. The county will determine if a family must participate in Welfare-To-Work activities as a requirement for CalWORKs. Families may also volunteer to participate.

White: A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.



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